

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031419\
 Data File : VN054273.D
 Acq On : 14 Mar 2019 20:21
 Operator : JC/SP
 Sample : K1887-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Quant Time: Mar 15 06:57:06 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	1396407	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2261734	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2314054	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	900474	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	715208	48.23	ug/l	0.00
Spiked Amount			Recovery	=	96.46%	
35) Dibromofluoromethane	7.59	113	701002	48.06	ug/l	0.00
Spiked Amount			Recovery	=	96.12%	
50) Toluene-d8	10.09	98	2772182	51.46	ug/l	0.00
Spiked Amount			Recovery	=	102.92%	
62) 4-Bromofluorobenzene	12.40	95	1017445	53.98	ug/l	0.00
Spiked Amount			Recovery	=	107.96%	

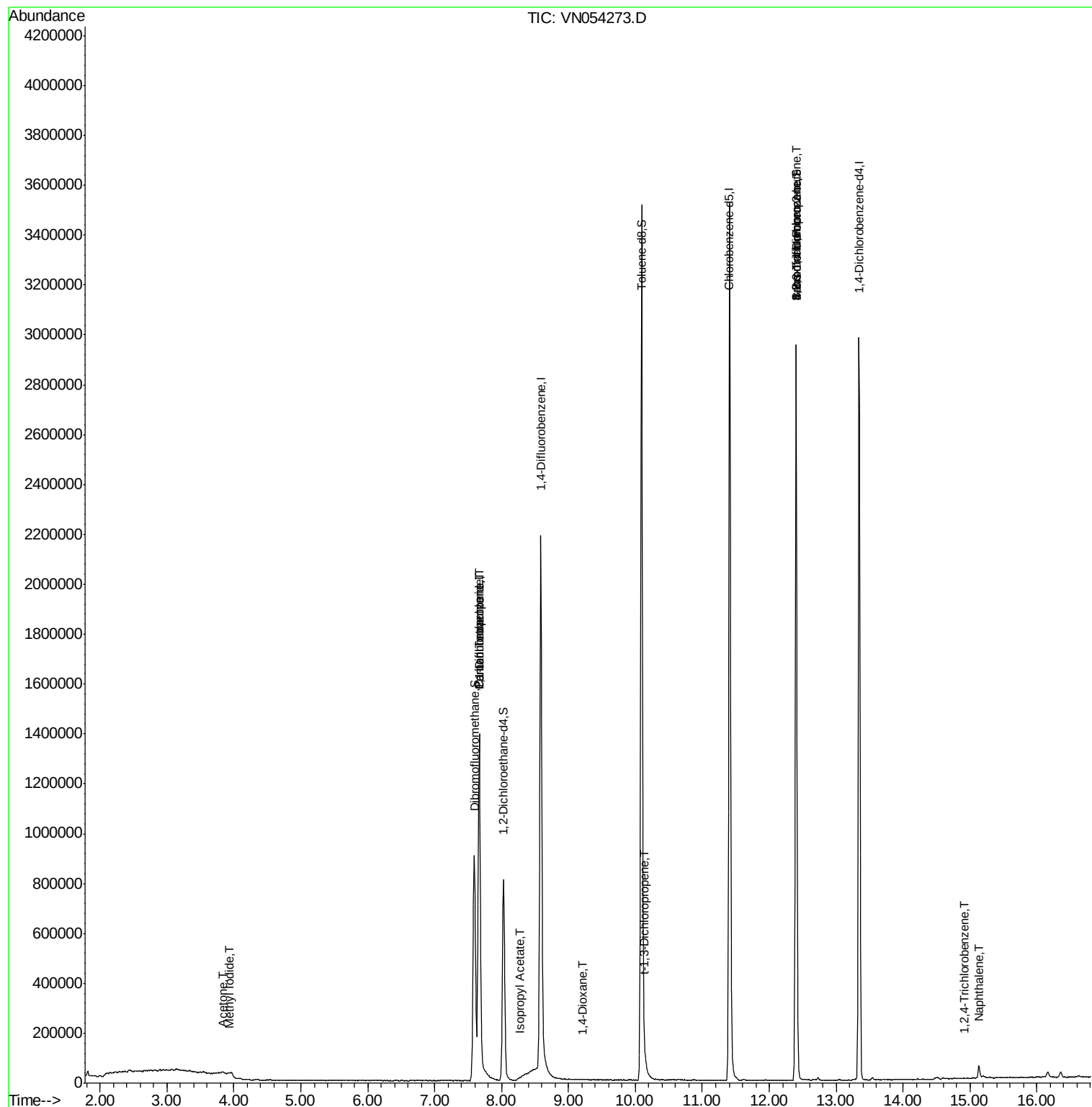
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	133	1.503	ug/l #	45
16) Acetone	3.82	43	8137	1.916	ug/l #	84
31) Cyclohexane	7.66	56	20547	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	78604	3.774	ug/l #	48
38) Carbon Tetrachloride	7.66	117	109732	5.024	ug/l #	16
43) Isopropyl Acetate	8.26	43	7673	0.365	ug/l #	60
49) 1,4-Dioxane	9.21	88	116	0.769	ug/l #	1
53) t-1,3-Dichloropropene	10.14	75	30	1.987	ug/l #	42
71) Bromoform	12.40	173	5732	2.739	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	482606	36.445	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	482606	124.587	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	175	2.525	ug/l #	56
95) Naphthalene	15.13	128	47748	4.595	ug/l	99

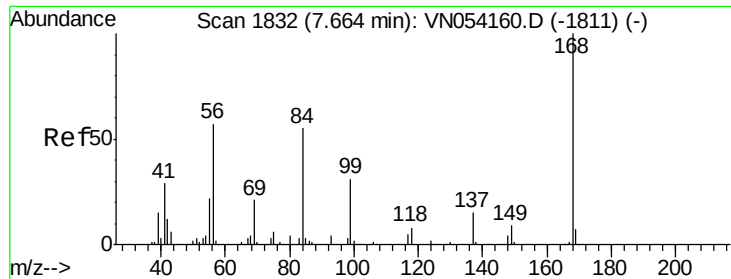
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.00 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

Instrument :

MSVOA_N

ClientSampled :

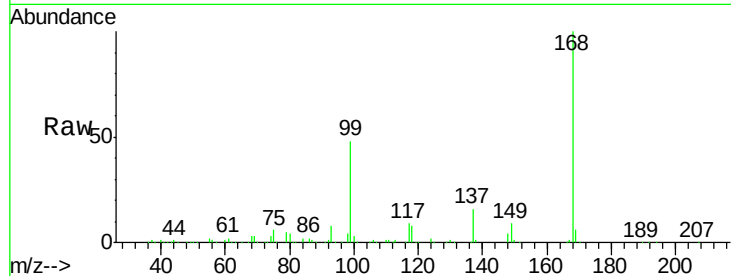
MW-1

Tot Ion:168 Resp: 1396407

Ion Ratio Lower Upper

168 100

99 48.3 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

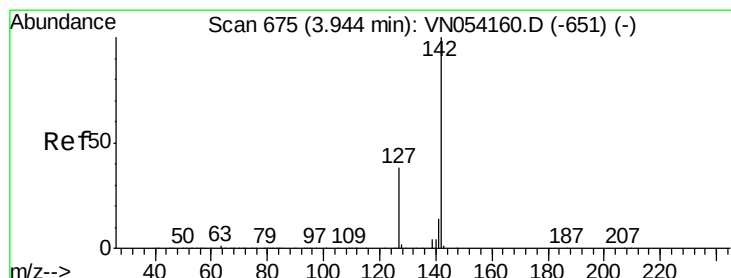
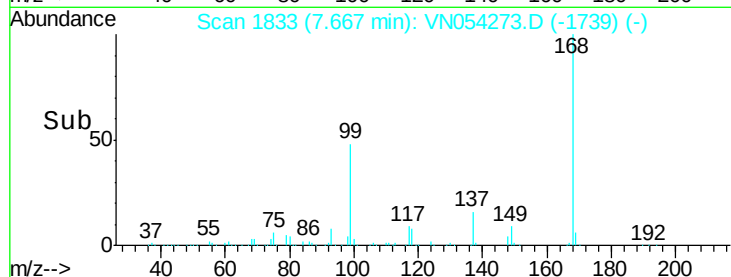
300000

200000

100000

0

Time-->



#10

Methyl Iodide

Concen: 1.503 ug/l

RT: 3.94 min Scan# 675

Delta R.T. -0.00 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

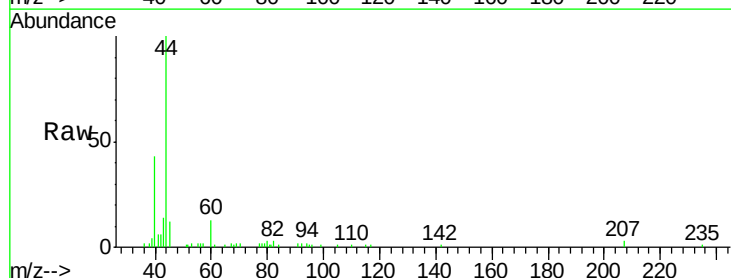
Tgt Ion:142 Resp: 133

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

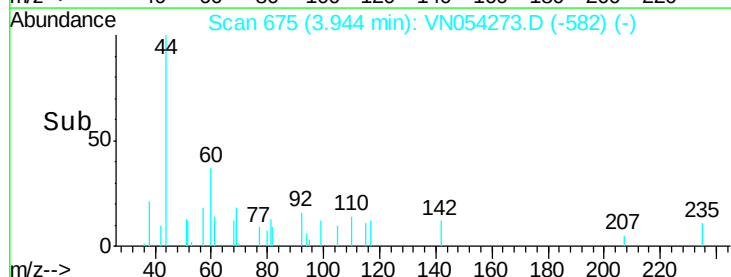
300

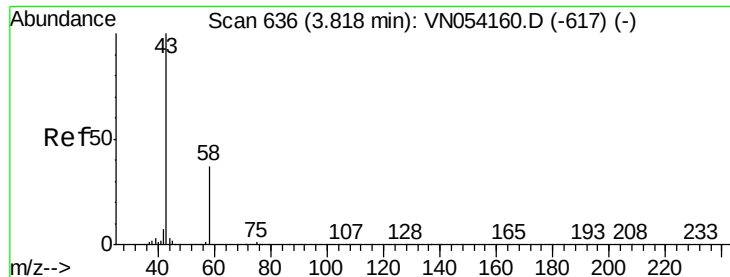
200

100

0

Time-->





#16

Acetone

Concen: 1.916 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

Instrument :

MSVOA_N

ClientSampleId :

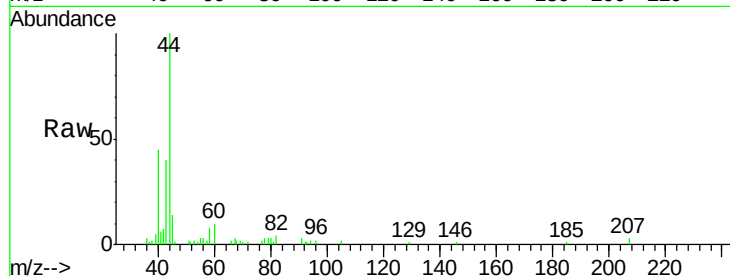
MW-1

Tot Ion: 43 Resp: 8137

Ion Ratio Lower Upper

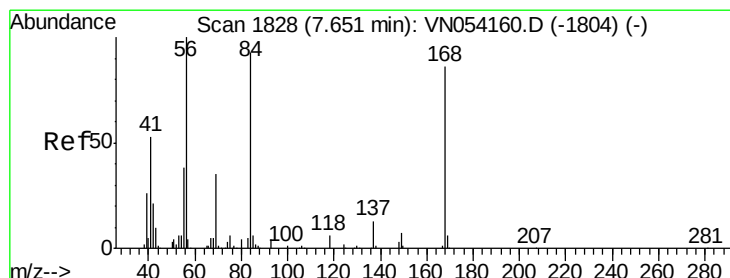
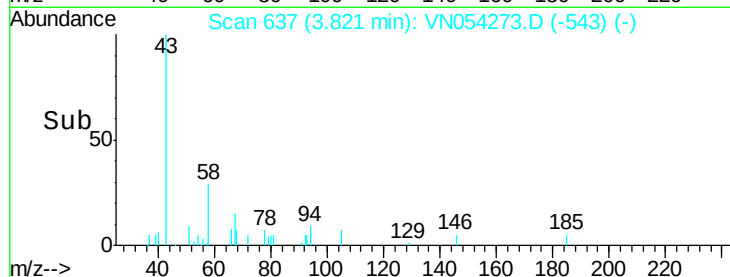
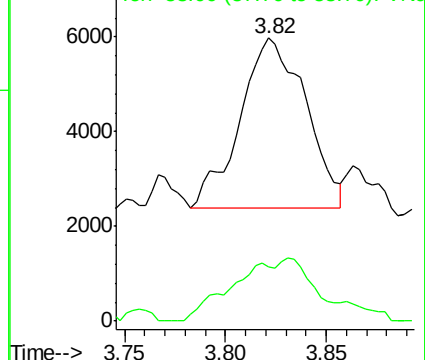
43 100

58 27.5 29.9 44.9#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

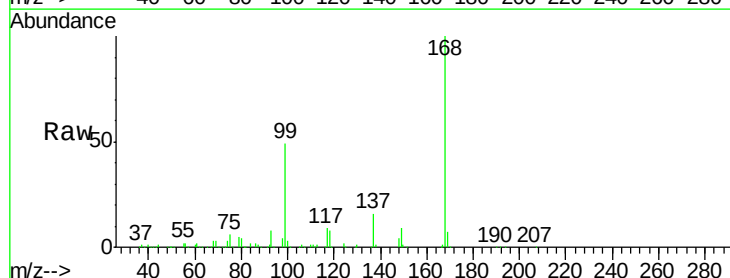
Tgt Ion: 56 Resp: 20547

Ion Ratio Lower Upper

56 100

69 176.1 27.8 41.6#

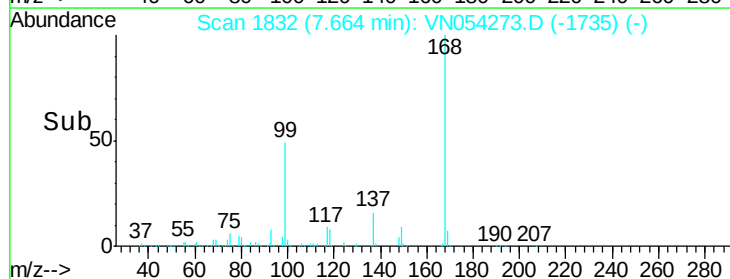
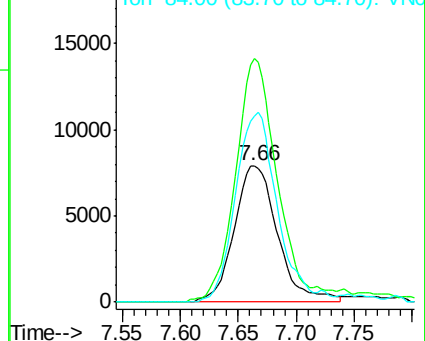
84 135.9 74.6 111.8#

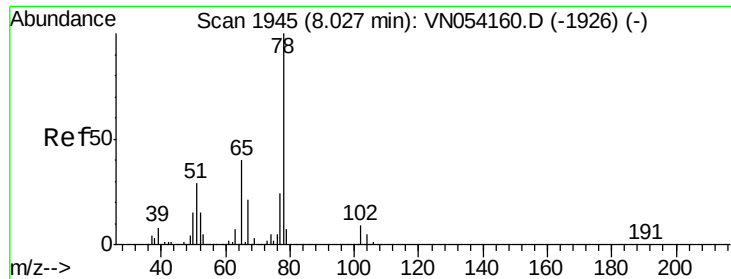


Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 69.00 (68.70 to 69.70): VNO

Ion 84.00 (83.70 to 84.70): VNO





#33

1,2-Dichloroethane-d4

Concen: 48.227 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

Instrument :

MSVOA_N

ClientSampleId :

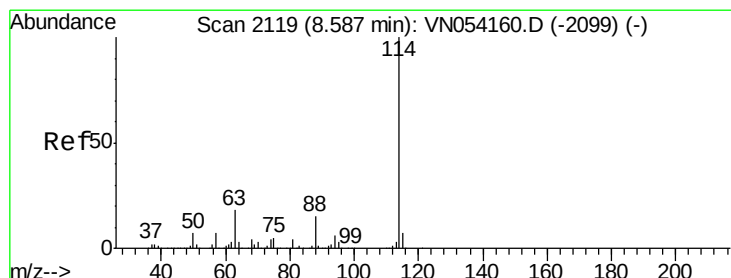
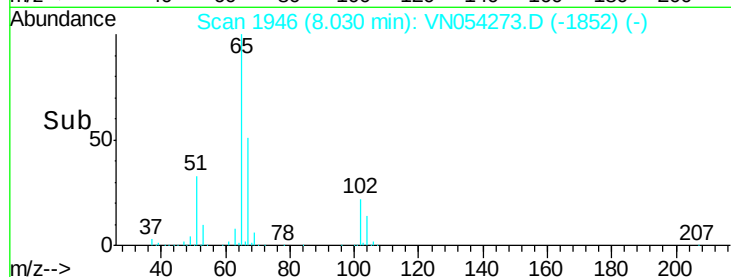
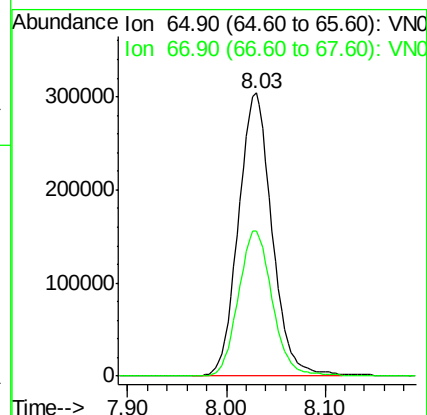
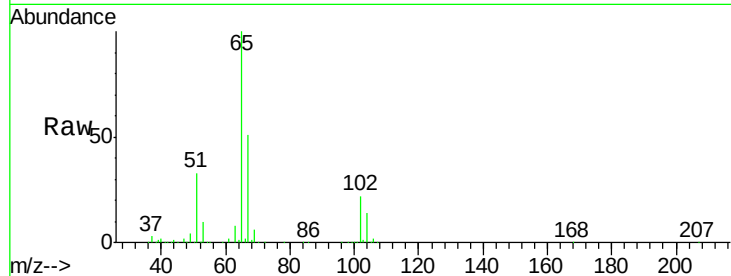
MW-1

Tot Ion: 65 Resp: 715208

Ion Ratio Lower Upper

65 100

67 52.1 0.0 104.6



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.59 min Scan# 2119

Delta R.T. -0.00 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

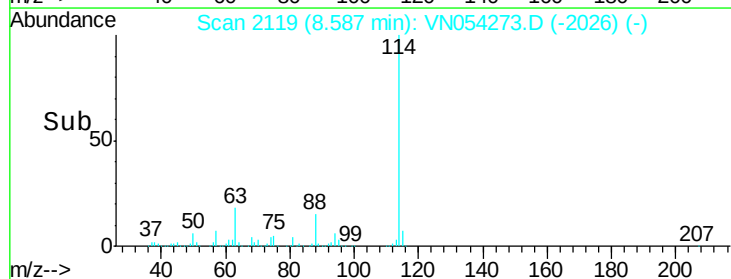
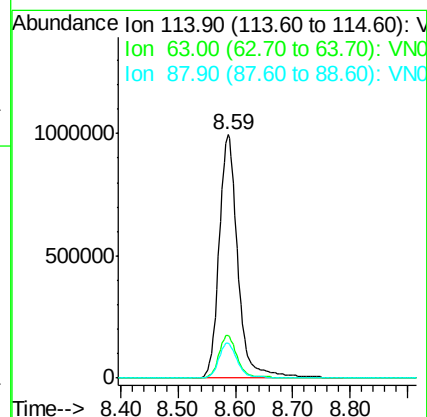
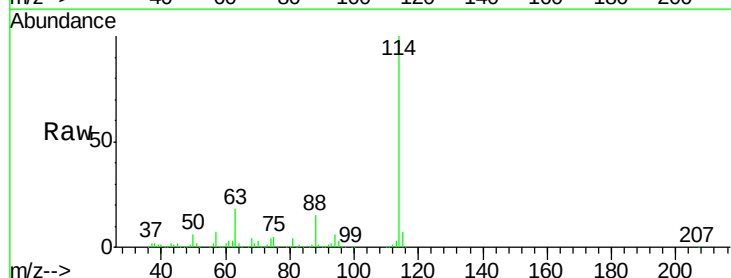
Tgt Ion: 114 Resp: 2261734

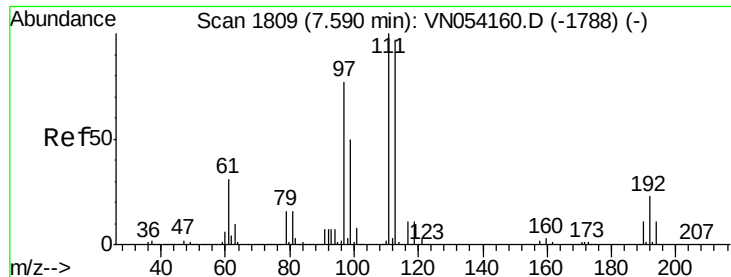
Ion Ratio Lower Upper

114 100

63 17.6 0.0 35.2

88 14.6 0.0 30.2

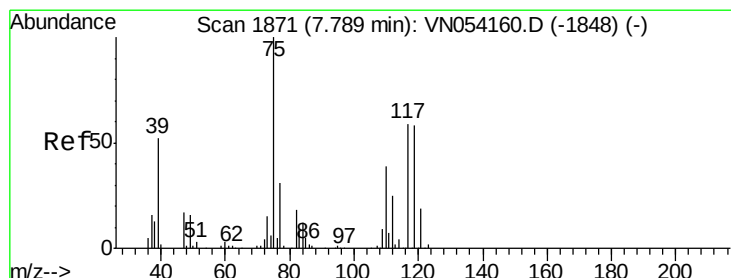
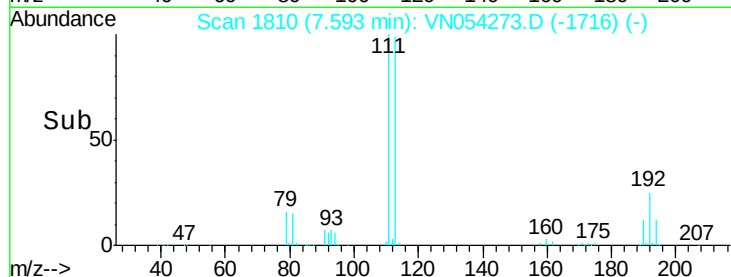
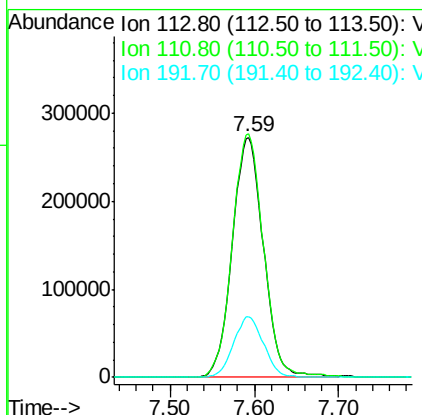
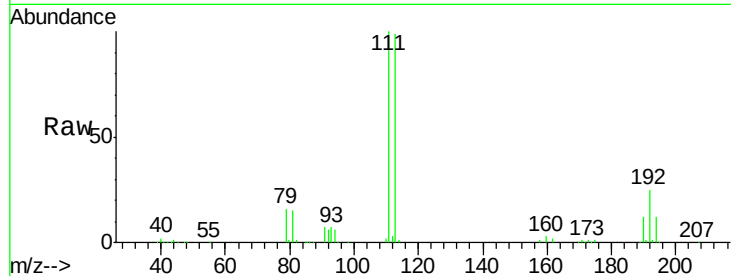




#35
 Dibromofluoromethane
 Concen: 48.056 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. 0.00 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

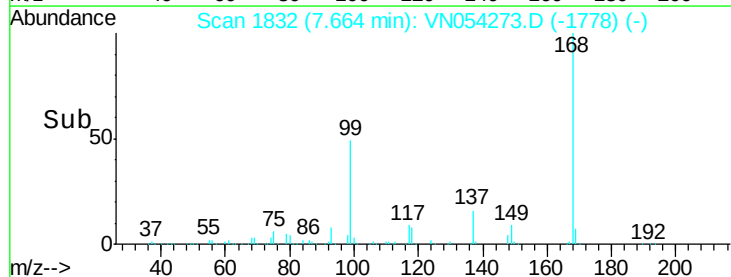
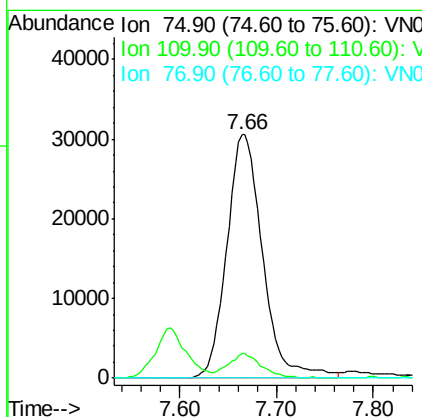
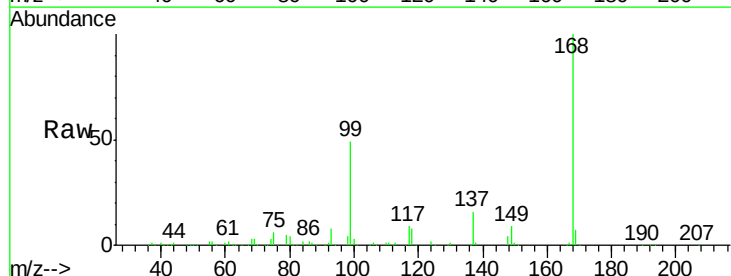
Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

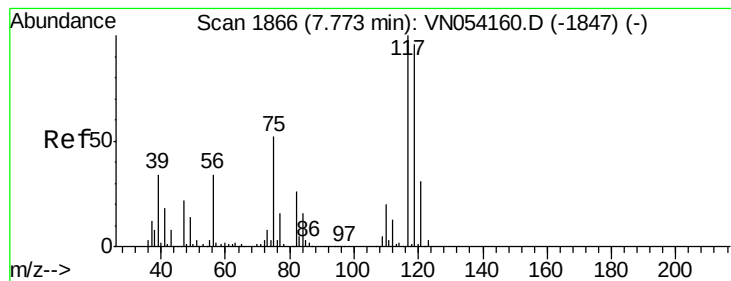
Tot Ion:113 Resp: 701002
 Ion Ratio Lower Upper
 113 100
 111 101.6 82.2 123.4
 192 24.5 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 3.774 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

Tgt Ion: 75 Resp: 78604
 Ion Ratio Lower Upper
 75 100
 110 9.3 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.024 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

Instrument :

MSVOA_N

ClientSampled :

MW-1

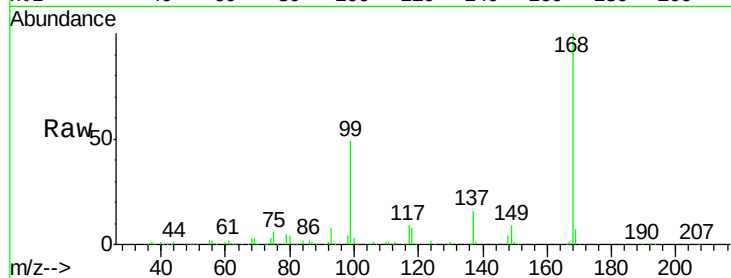
Tot Ion:117 Resp: 109732

Ion Ratio Lower Upper

117 100

119 5.1 76.3 114.5#

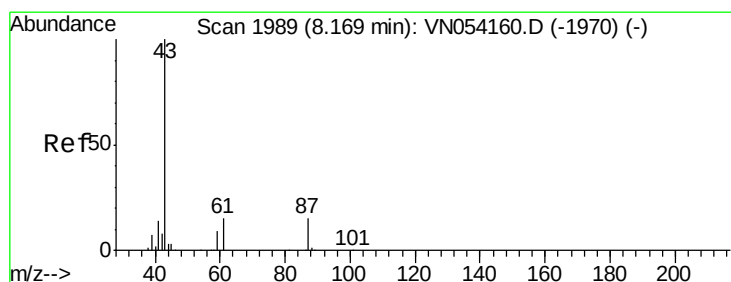
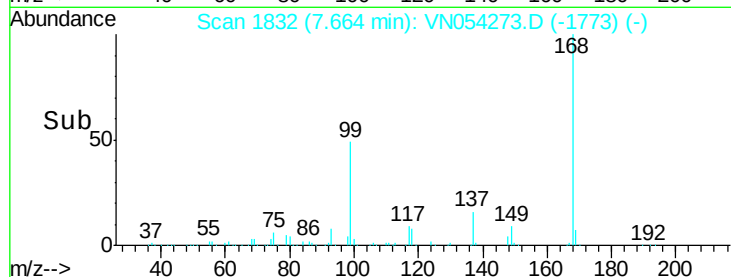
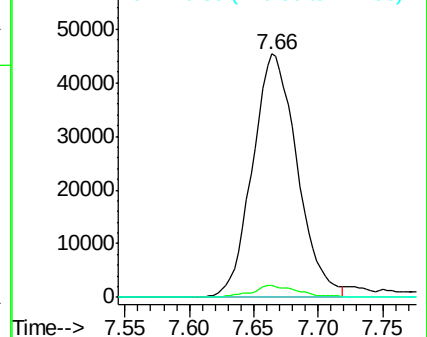
121 0.0 24.6 36.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#43

Isopropyl Acetate

Concen: 0.365 ug/l

RT: 8.26 min Scan# 2018

Delta R.T. 0.09 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

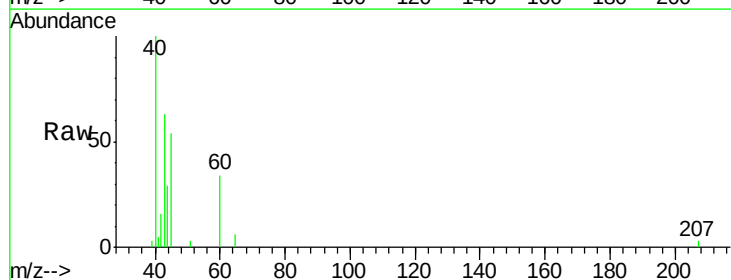
Tgt Ion: 43 Resp: 7673

Ion Ratio Lower Upper

43 100

61 0.0 15.8 23.8#

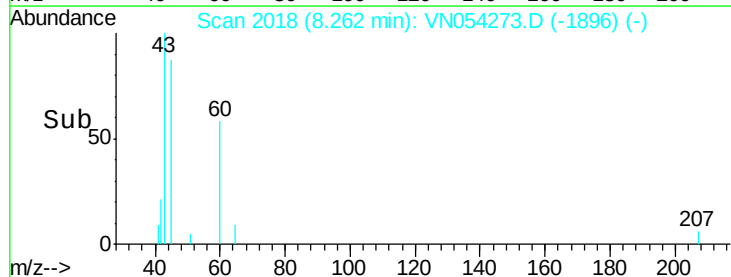
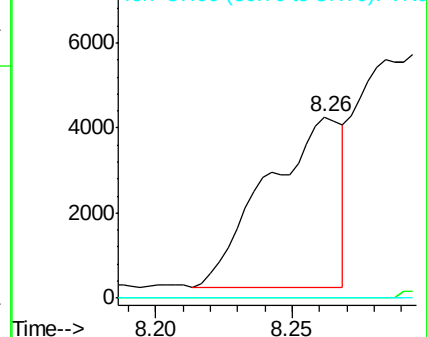
87 0.0 12.0 18.0#

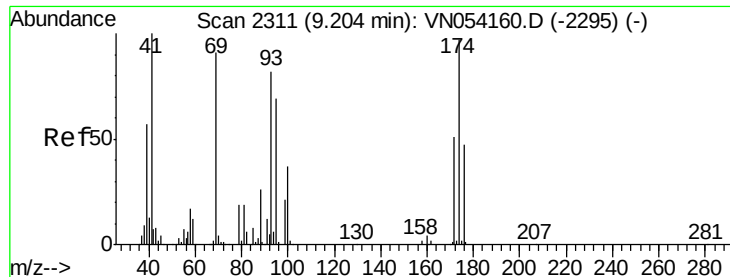


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO

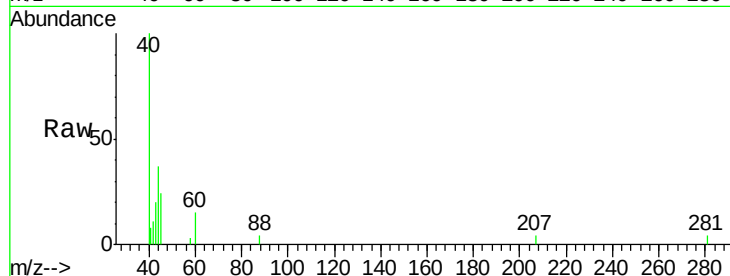




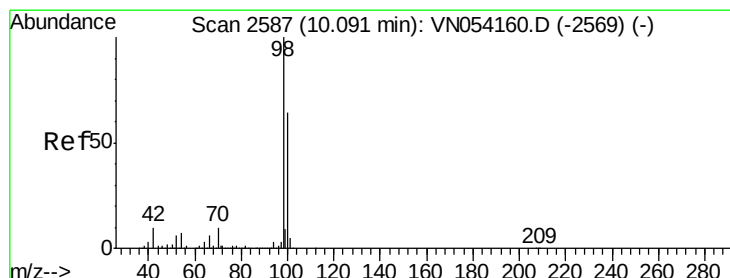
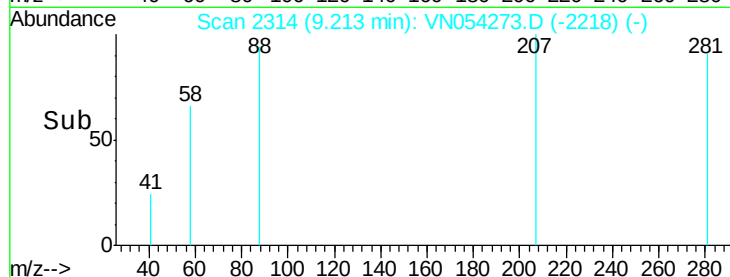
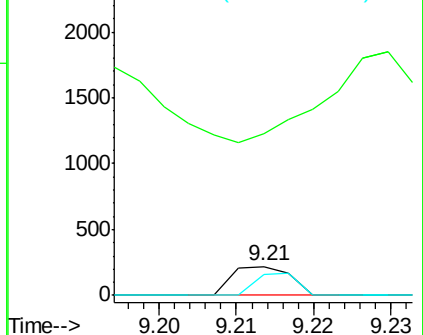
#49
 1,4-Dioxane
 Concen: 0.769 ug/l
 RT: 9.21 min Scan# 2314
 Delta R.T. 0.01 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

Instrument :
 MSVOA_N
 ClientSampled :
 MW-1

Tot Ion: 88 Resp: 116
 Ion Ratio Lower Upper
 88 100
 43 504.3 24.1 36.1#
 58 54.3 50.8 76.2

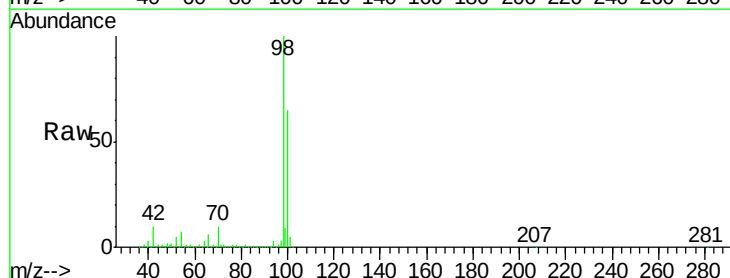


Abundance Ion 88.00 (87.70 to 88.70): VN0
 Ion 43.00 (42.70 to 43.70): VN0
 Ion 58.00 (57.70 to 58.70): VN0

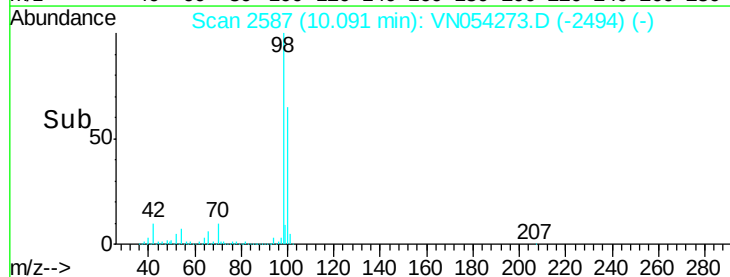
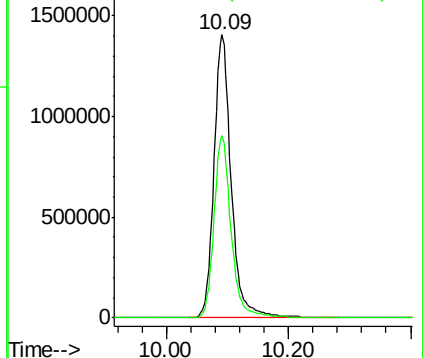


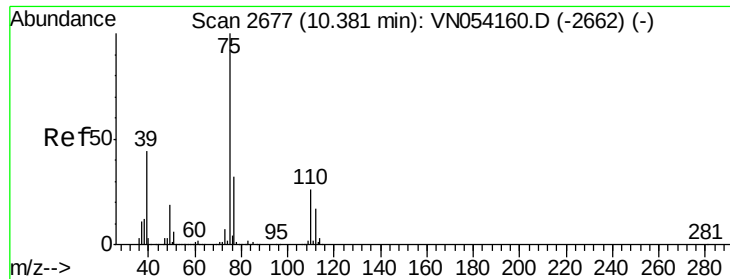
#50
 Toluene-d8
 Concen: 51.458 ug/l
 RT: 10.09 min Scan# 2587
 Delta R.T. -0.00 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

Tgt Ion: 98 Resp: 2772182
 Ion Ratio Lower Upper
 98 100
 100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0
 Ion 100.00 (99.70 to 100.70): VN0

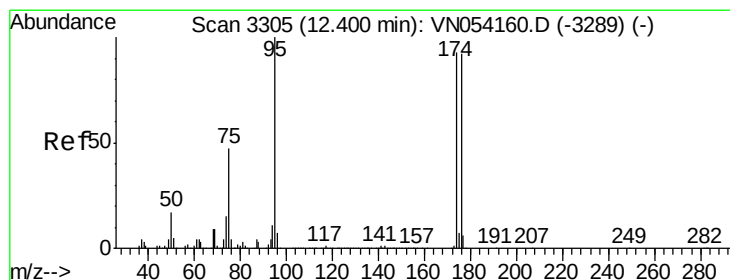
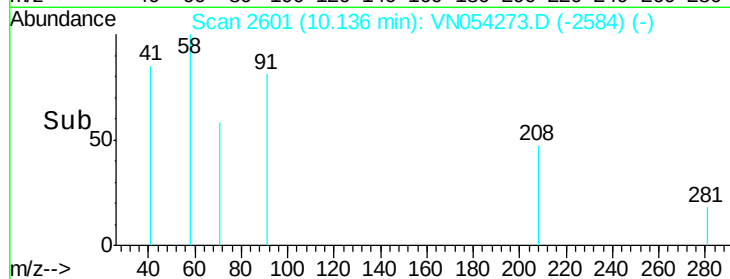
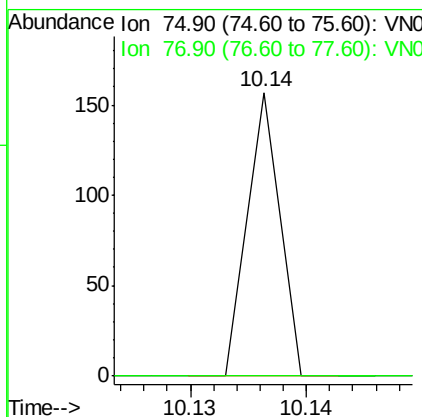
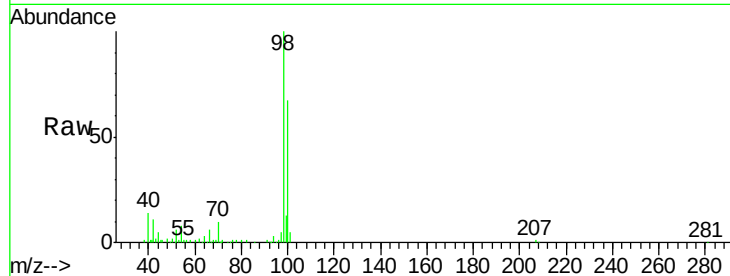




#53
t-1,3-Dichloropropene
Concen: 1.987 ug/l
RT: 10.14 min Scan# 2601
Delta R.T. -0.24 min
Lab File: VN054273.D
Acq: 14 Mar 2019 20:21

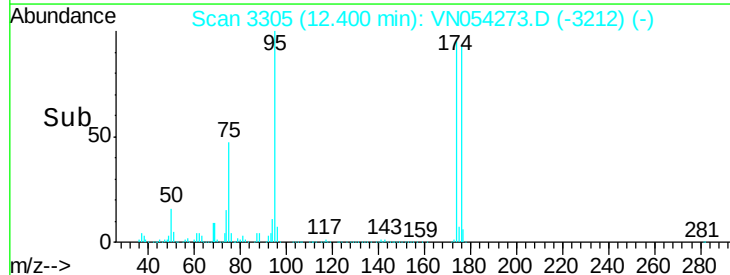
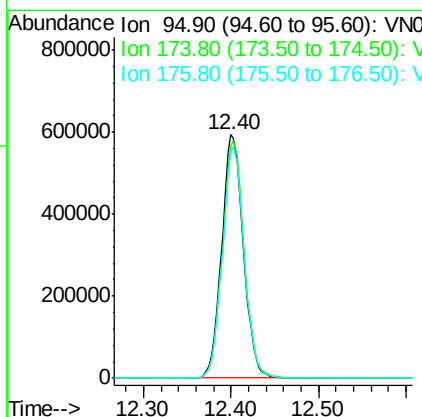
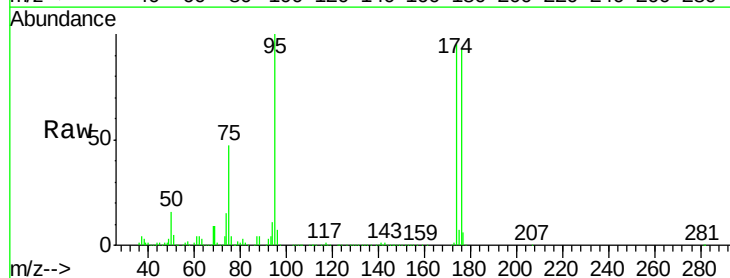
Instrument :
MSVOA_N
ClientSampleId :
MW-1

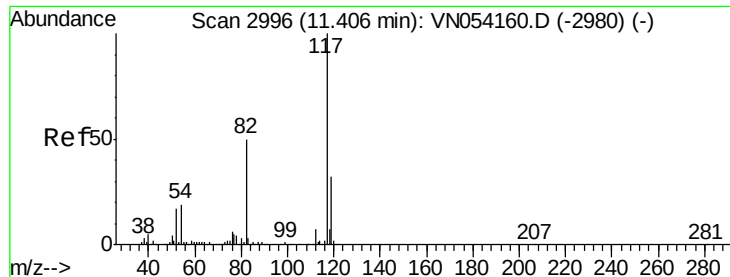
Tot Ion: 75 Resp: 30
Ion Ratio Lower Upper
75 100
77 0.0 25.8 38.8#



#62
4-Bromofluorobenzene
Concen: 53.975 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054273.D
Acq: 14 Mar 2019 20:21

Tgt Ion: 95 Resp: 1017445
Ion Ratio Lower Upper
95 100
174 98.0 0.0 191.0
176 95.5 0.0 187.4

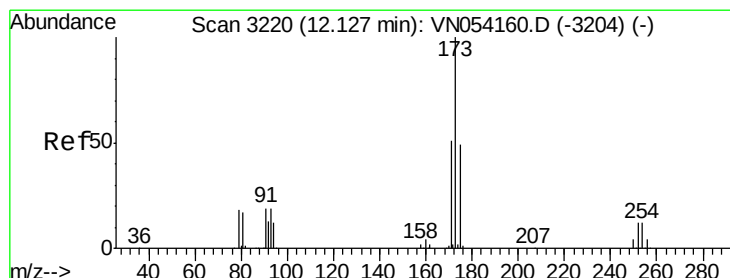
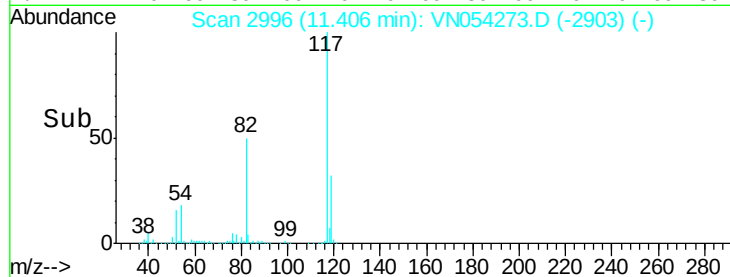
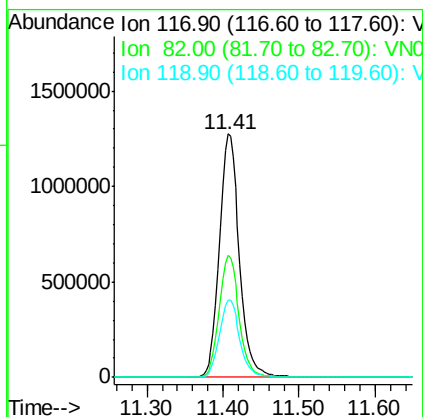
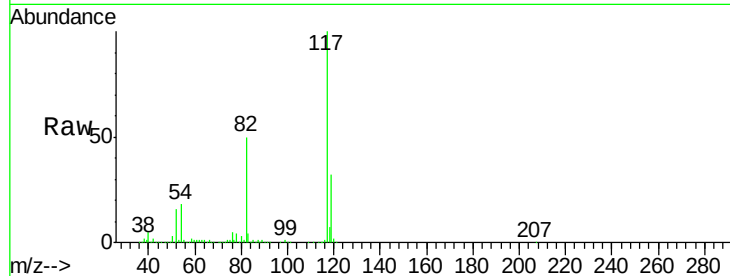




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054273.D
Acq: 14 Mar 2019 20:21

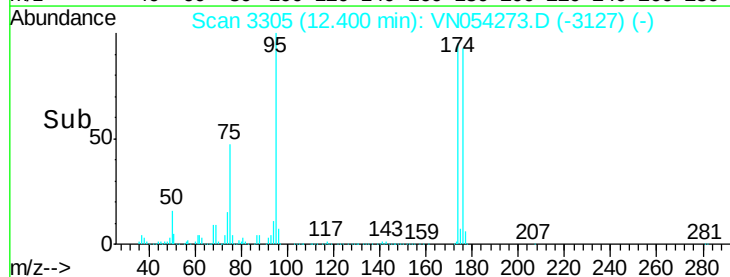
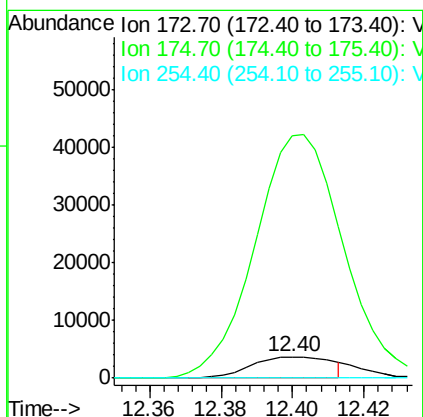
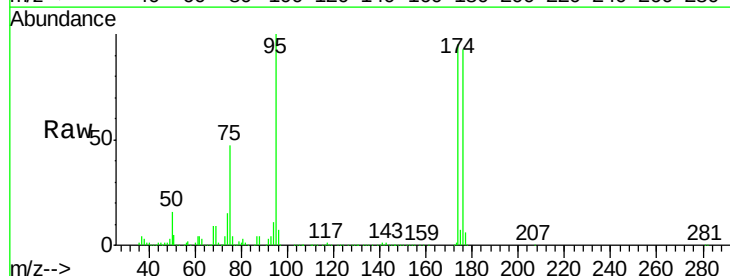
Instrument :
MSVOA_N
ClientSampleId :
MW-1

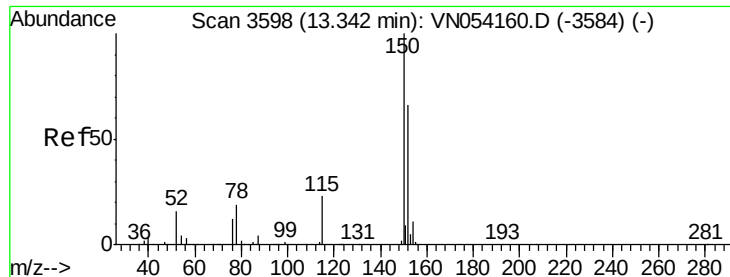
Tot Ion:117 Resp: 2314054
Ion Ratio Lower Upper
117 100
82 49.9 40.0 60.0
119 31.9 25.8 38.6



#71
Bromoform
Concen: 2.739 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.27 min
Lab File: VN054273.D
Acq: 14 Mar 2019 20:21

Tgt Ion:173 Resp: 5732
Ion Ratio Lower Upper
173 100
175 1088.8 24.4 73.2#
254 0.0 0.1 0.1#

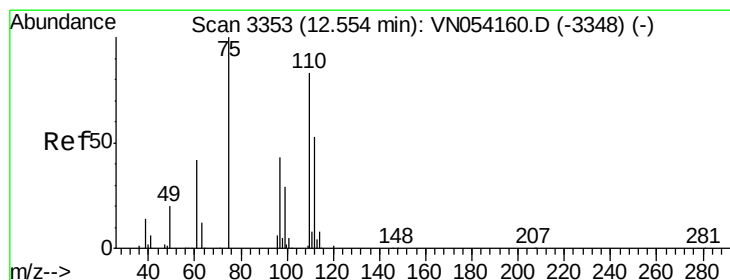
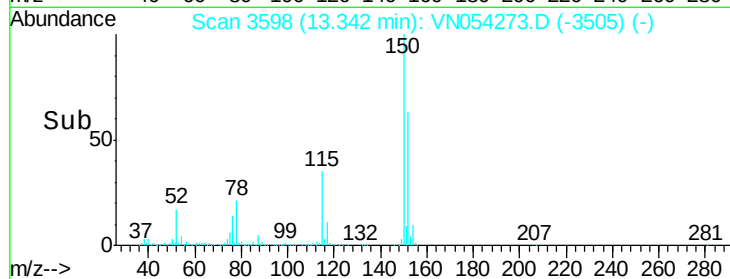
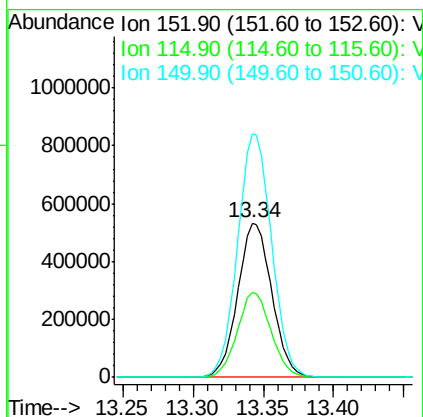
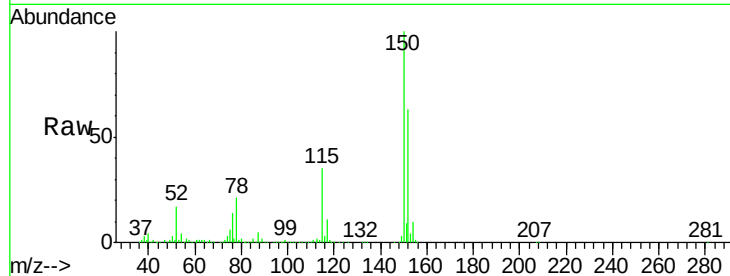




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.34 min Scan# 3598
 Delta R.T. -0.00 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

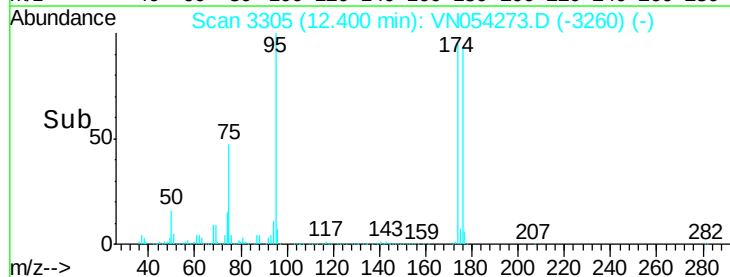
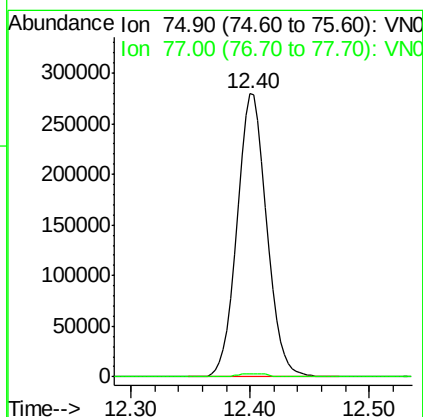
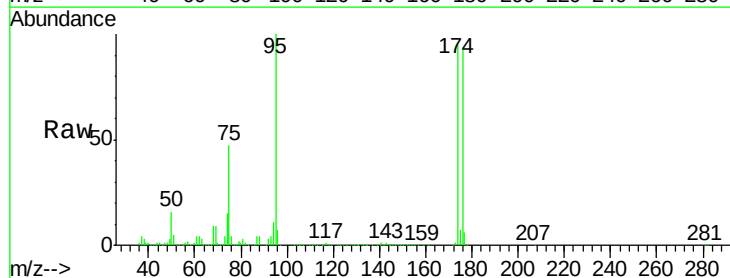
Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

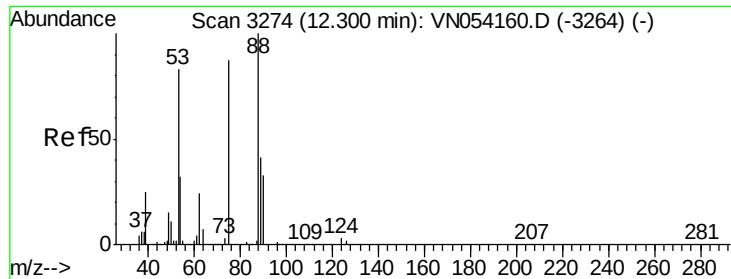
Tot Ion:152 Resp: 900474
 Ion Ratio Lower Upper
 152 100
 115 54.6 27.2 81.6
 150 158.1 0.0 349.2



#76
 1,2,3-Trichloropropane
 Concen: 36.445 ug/l
 RT: 12.40 min Scan# 3305
 Delta R.T. -0.15 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

Tgt Ion: 75 Resp: 482606
 Ion Ratio Lower Upper
 75 100
 77 0.7 0.0 0.0#





#81

trans-1,4-Dichloro-2-butene

Concen: 124.587 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

Instrument :

MSVOA_N

ClientSampled :

MW-1

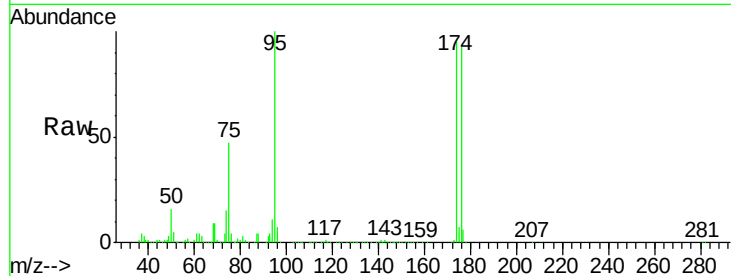
Tot Ion: 75 Resp: 482606

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

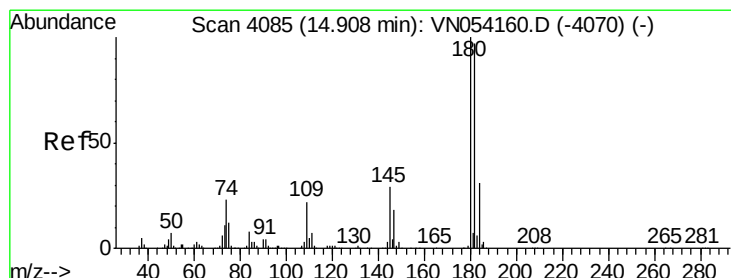
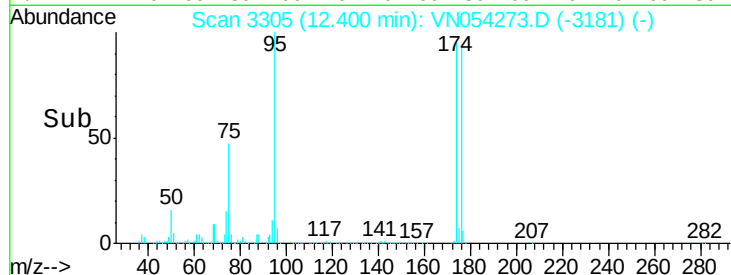
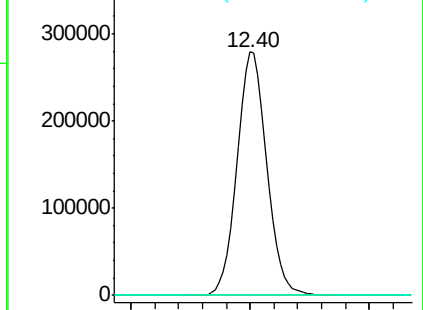
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054273.D (-3181) (-)

Ion 53.00 (52.70 to 53.70): VN054273.D (-3181) (-)

Ion 88.90 (88.60 to 89.60): VN054273.D (-3181) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.525 ug/l

RT: 14.91 min Scan# 4085

Delta R.T. 0.00 min

Lab File: VN054273.D

Acq: 14 Mar 2019 20:21

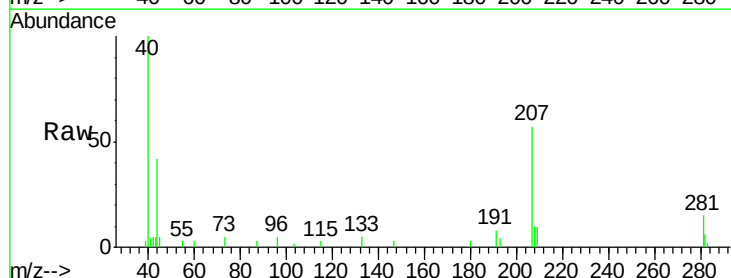
Tgt Ion: 180 Resp: 175

Ion Ratio Lower Upper

180 100

182 55.4 48.0 144.2

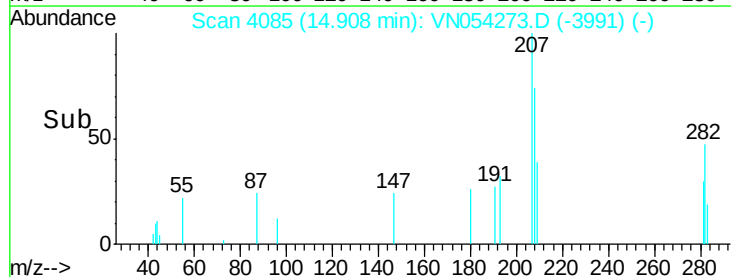
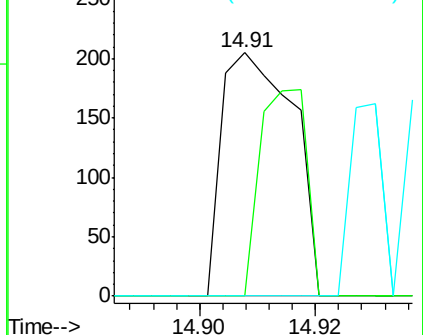
145 0.0 14.2 42.8#

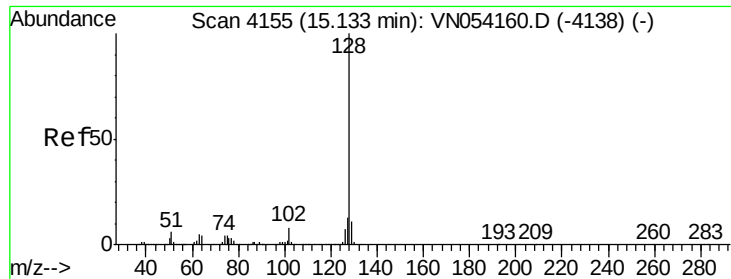


Abundance Ion 179.80 (179.50 to 180.50): VN054273.D (-3991) (-)

Ion 181.80 (181.50 to 182.50): VN054273.D (-3991) (-)

Ion 144.80 (144.50 to 145.50): VN054273.D (-3991) (-)

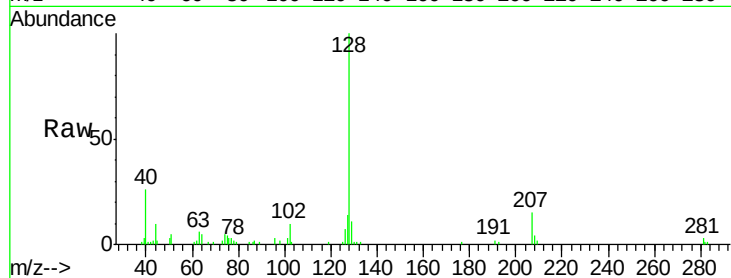




#95
 Naphthalene
 Concen: 4.595 ug/l
 RT: 15.13 min Scan# 4155
 Delta R.T. -0.00 min
 Lab File: VN054273.D
 Acq: 14 Mar 2019 20:21

Instrument :
 MSVOA_N
 ClientSampleId :
 MW-1

Tot Ion:128 Resp: 47748
 Ion Ratio Lower Upper
 128 100
 127 12.7 10.1 15.1
 129 10.2 8.7 13.1



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

