

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054332.D
 Acq On : 16 Mar 2019 13:07
 Operator : JC/SP
 Sample : VN0316WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0316WBL01

Quant Time: Mar 18 04:49:20 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	7.66	168	1890852	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	2679658	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2238433	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	813368	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	902448	44.94	ug/l	0.00
Spiked Amount			Recovery	=	89.88%	
35) Dibromofluoromethane	7.59	113	806260	46.65	ug/l	0.00
Spiked Amount			Recovery	=	93.30%	
50) Toluene-d8	10.09	98	3082032	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
62) 4-Bromofluorobenzene	12.40	95	931502	41.71	ug/l	0.00
Spiked Amount			Recovery	=	83.42%	

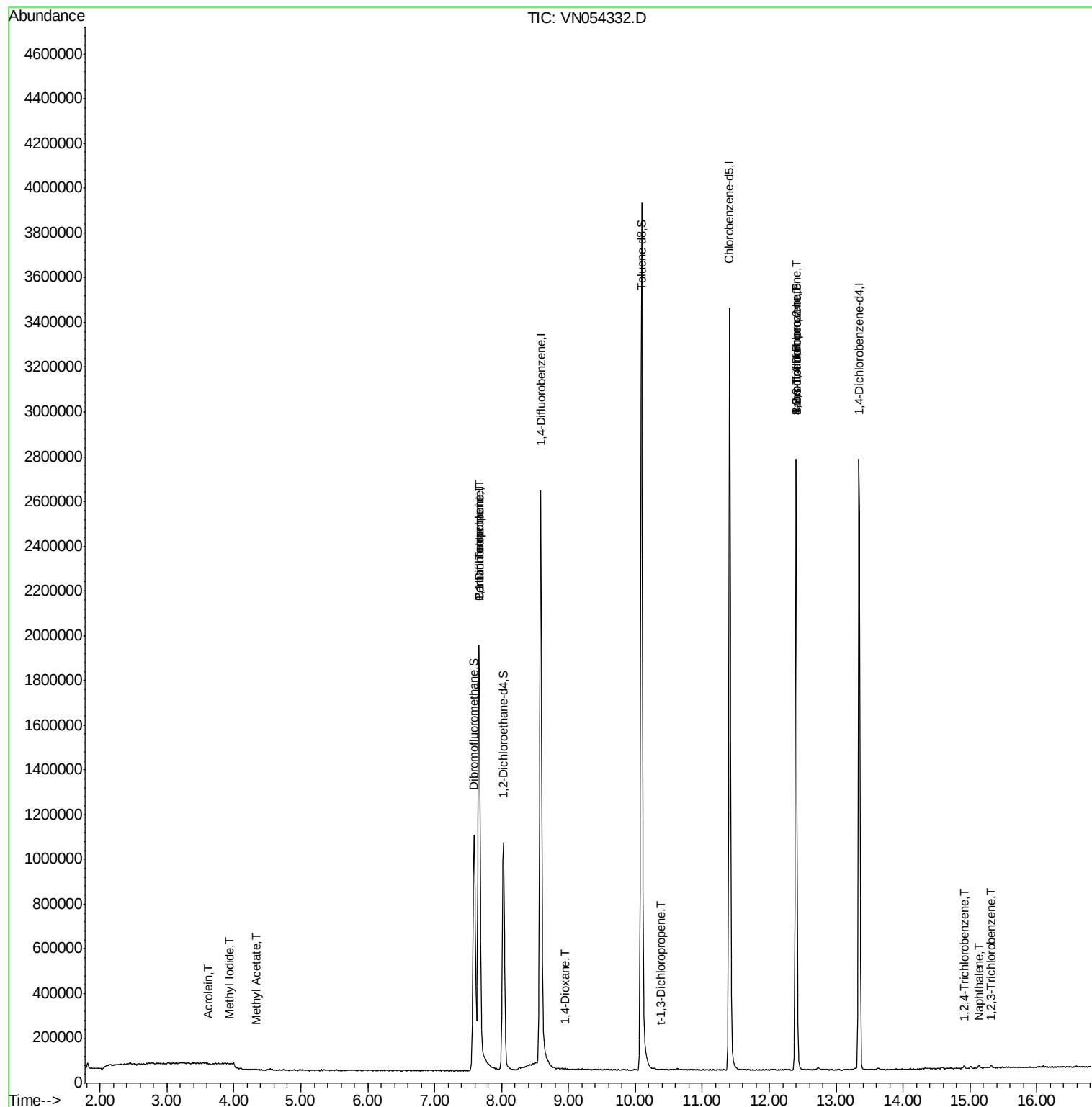
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	658	1.520	ug/l #	74
13) Acrolein	3.61	56	368	0.282	ug/l #	47
18) Methyl Acetate	4.33	43	2749	0.236	ug/l	93
31) Cyclohexane	7.66	56	27399	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	112072	4.541	ug/l #	48
38) Carbon Tetrachloride	7.66	117	152752	5.903	ug/l #	16
49) 1,4-Dioxane	8.96	88	69	0.386	ug/l #	1
53) t-1,3-Dichloropropene	10.38	75	484	2.003	ug/l #	1
71) Bromoform	12.40	173	5824	2.758	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	445423	37.240	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	445423	127.302	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2634	2.663	ug/l	86
95) Naphthalene	15.13	128	9220	3.710	ug/l #	96
96) 1,2,3-Trichlorobenzene	15.32	180	3496	0.232	ug/l	81

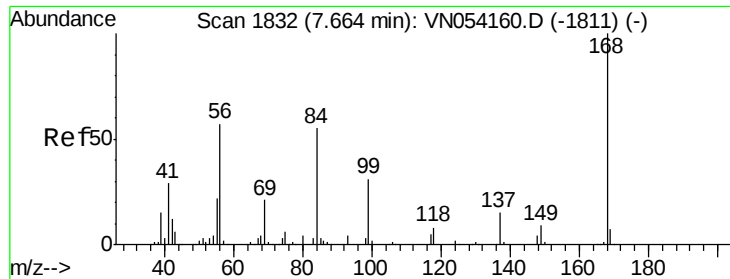
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031619\
Data File : VN054332.D
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Quant Time: Mar 18 04:49:20 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N031219W.M
Quant Title : SW846 8260
QLast Update : Wed Mar 13 03:33:31 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

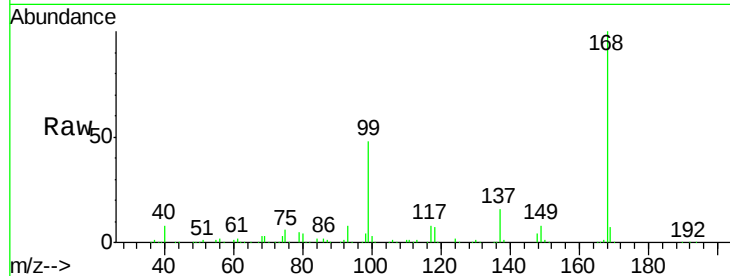
VN0316WBL01

Tot Ion:168 Resp: 1890852

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): VN

7.66

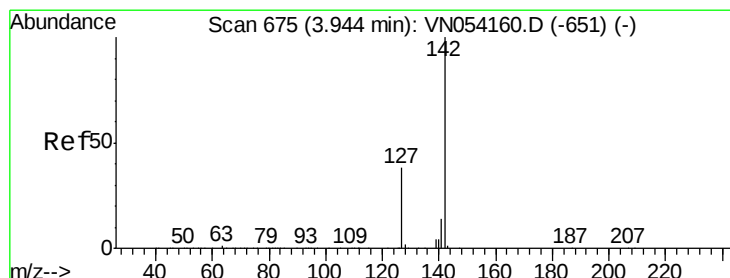
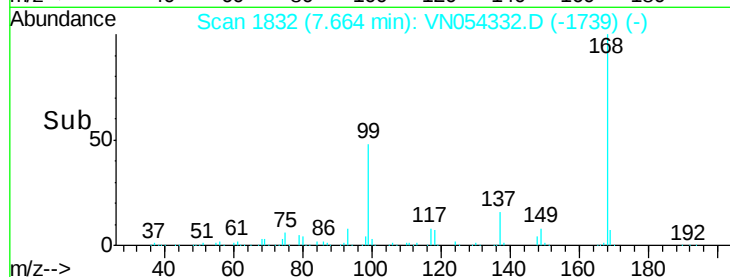
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.520 ug/l

RT: 3.94 min Scan# 674

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

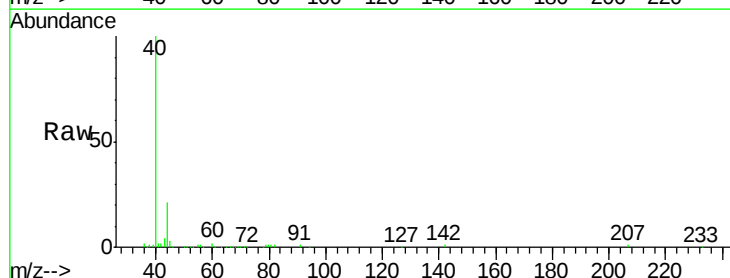
Tgt Ion:142 Resp: 658

Ion Ratio Lower Upper

142 100

127 23.7 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

3.94

800

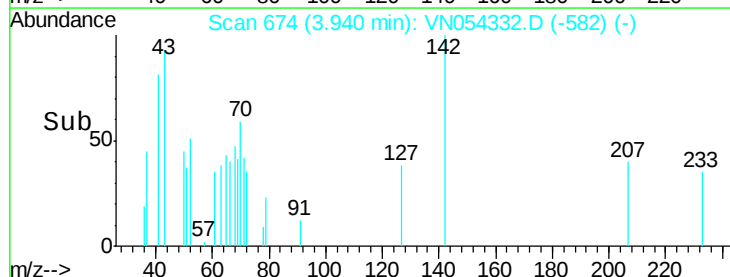
600

400

200

0

Time-->





#13

Acrolein

Concen: 0.282 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampled :

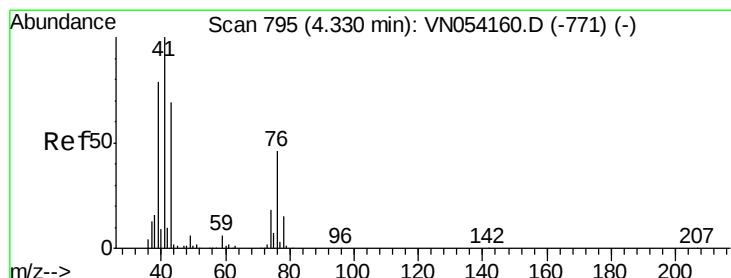
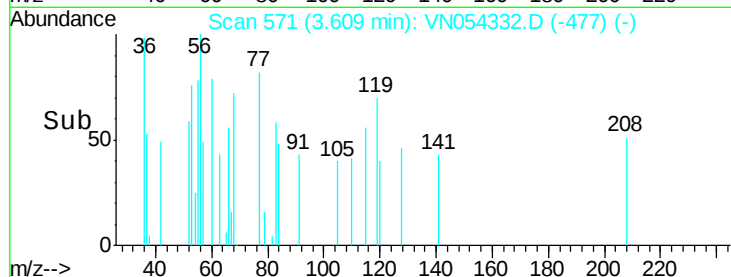
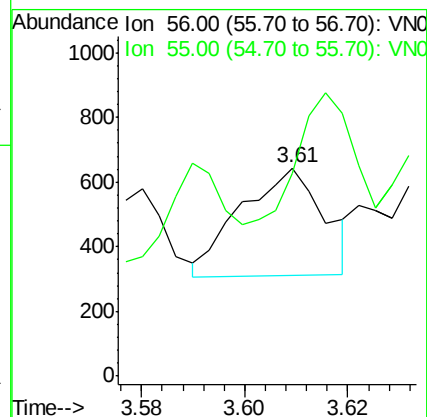
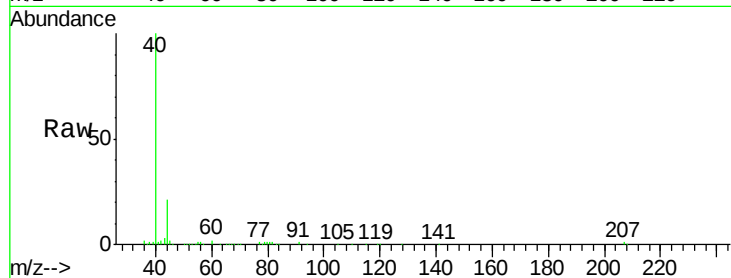
VN0316WBL01

Tot Ion: 56 Resp: 368

Ion Ratio Lower Upper

56 100

55 114.7 56.7 85.1#



#18

Methyl Acetate

Concen: 0.236 ug/l

RT: 4.33 min Scan# 795

Delta R.T. -0.00 min

Lab File: VN054332.D

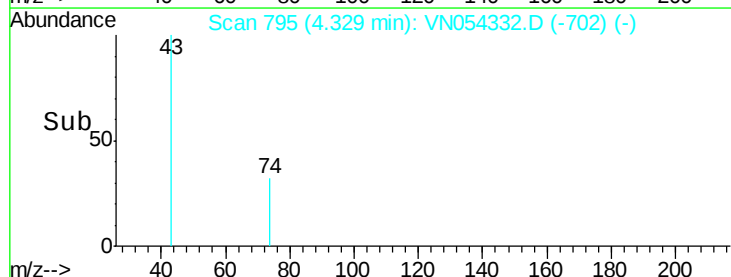
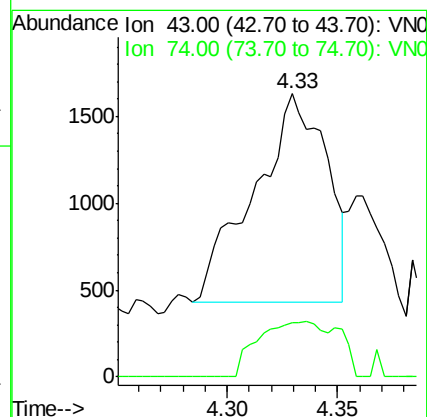
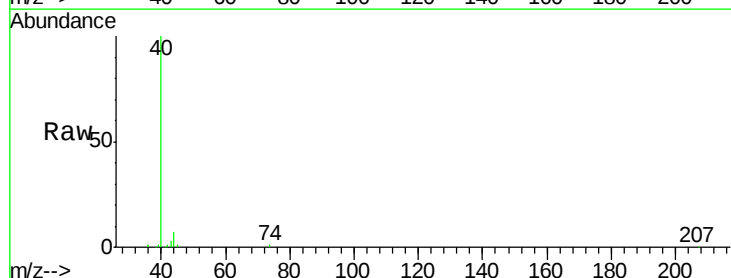
Acq: 16 Mar 2019 13:07

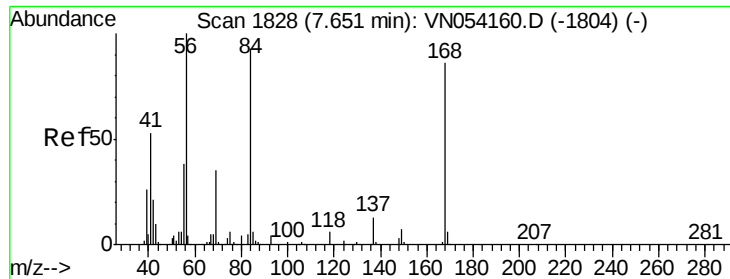
Tgt Ion: 43 Resp: 2749

Ion Ratio Lower Upper

43 100

74 29.3 20.8 31.2

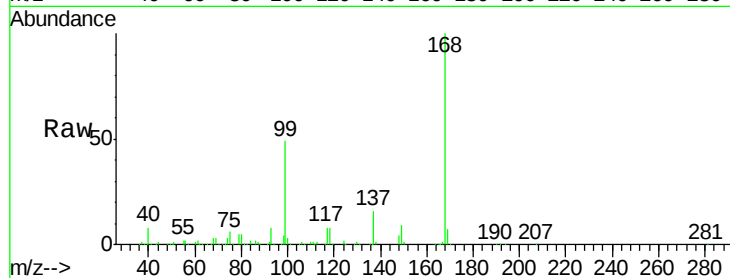




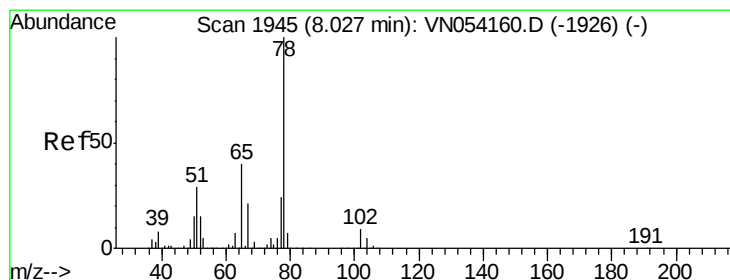
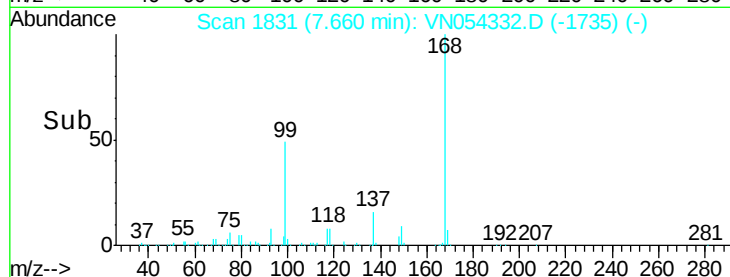
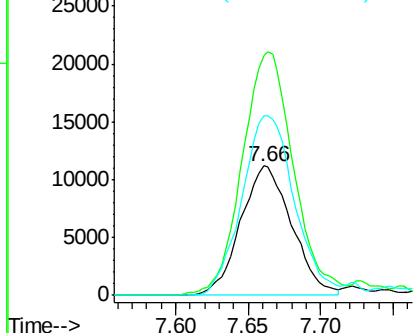
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1831
Delta R.T. 0.01 min
Lab File: VN054332.D
Acq: 16 Mar 2019 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBL01

Tot Ion: 56 Resp: 27399
Ion Ratio Lower Upper
56 100
69 183.0 27.8 41.6#
84 139.2 74.6 111.8#

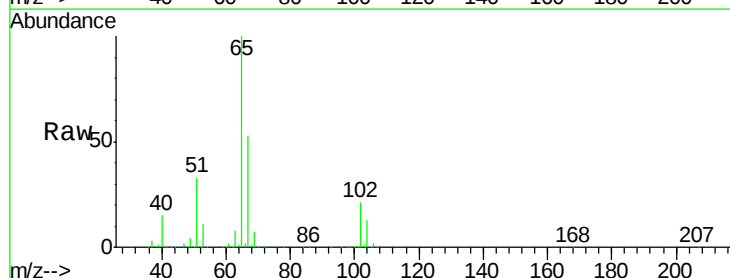


Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC

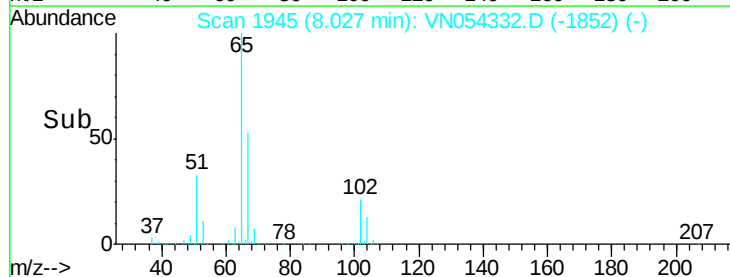
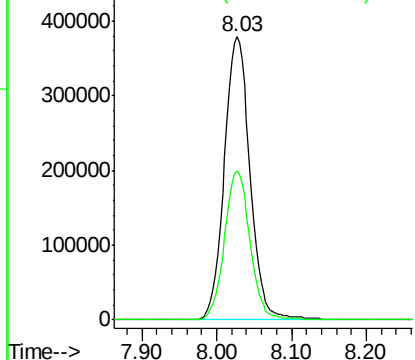


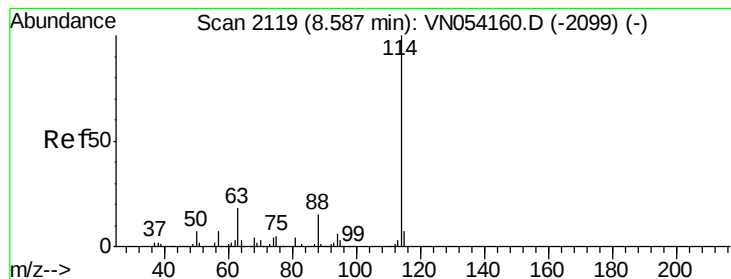
#33
1,2-Dichloroethane-d4
Concen: 44.941 ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN054332.D
Acq: 16 Mar 2019 13:07

Tgt Ion: 65 Resp: 902448
Ion Ratio Lower Upper
65 100
67 52.4 0.0 104.6



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





#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.58 min Scan# 2118

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

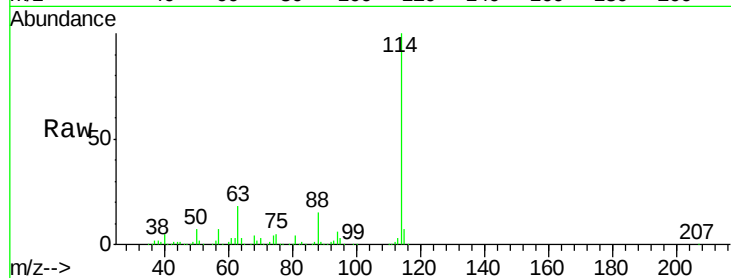
Tot Ion:114 Resp: 2679658

Ion Ratio Lower Upper

114 100

63 18.2 0.0 35.2

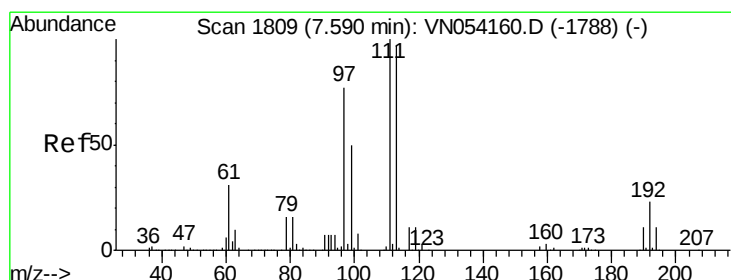
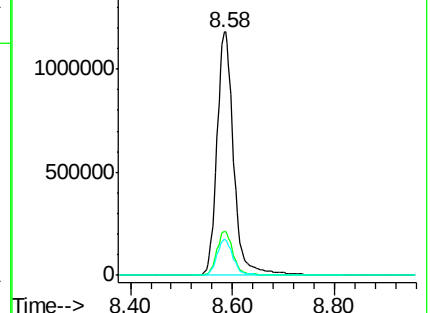
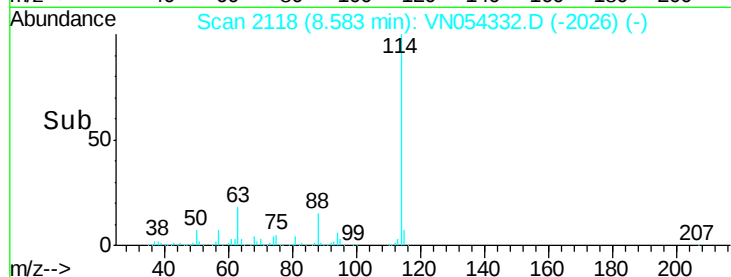
88 14.7 0.0 30.2



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: 46.651 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

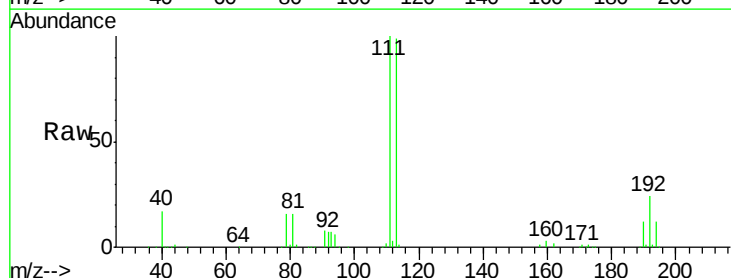
Tgt Ion:113 Resp: 806260

Ion Ratio Lower Upper

113 100

111 102.0 82.2 123.4

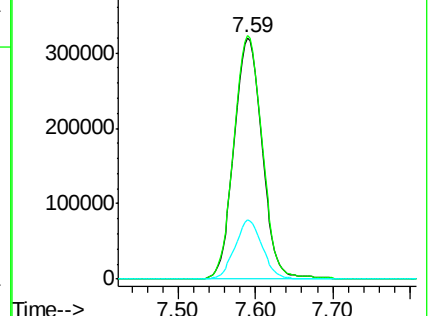
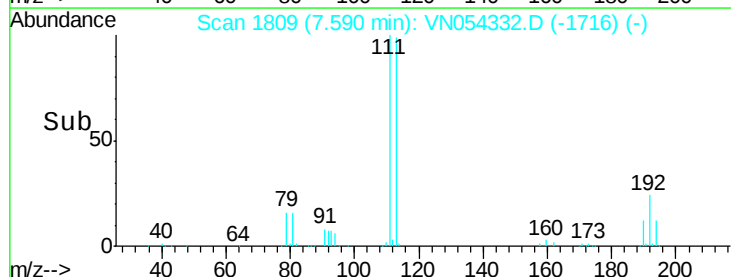
192 23.7 19.2 28.8

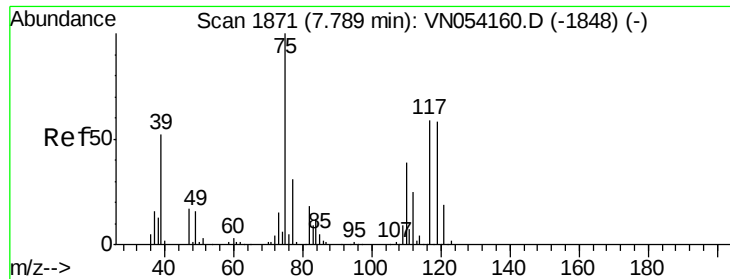


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 4.541 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.12 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

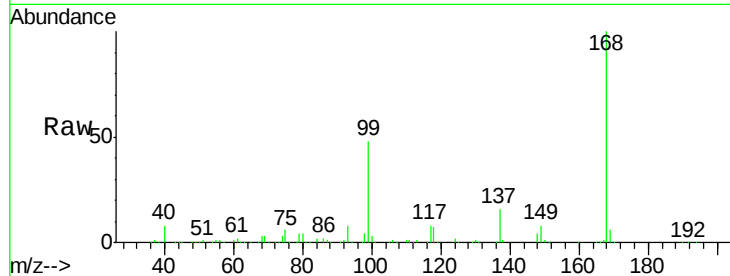
Tot Ion: 75 Resp: 112072

Ion Ratio Lower Upper

75 100

110 8.9 19.1 57.5#

77 0.0 25.0 37.4#

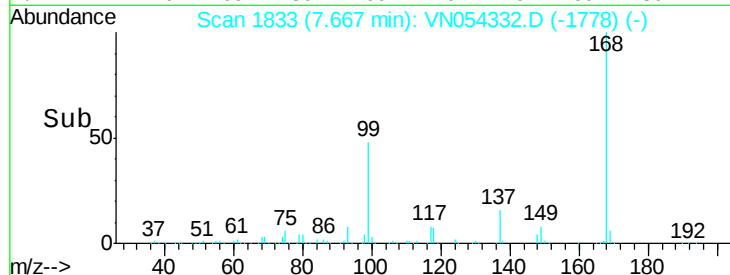


Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-1848) (-)

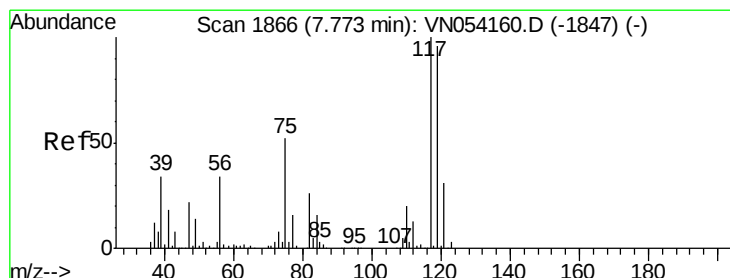
Ion 109.90 (109.60 to 110.60): VN054160.D (-1848) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-1848) (-)

Time-->



Time-->



#38

Carbon Tetrachloride

Concen: 5.903 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

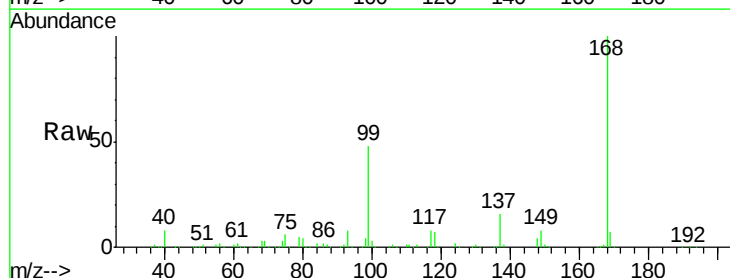
Tgt Ion: 117 Resp: 152752

Ion Ratio Lower Upper

117 100

119 5.2 76.3 114.5#

121 0.0 24.6 36.8#

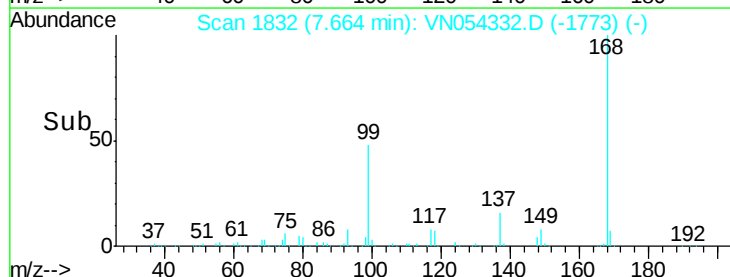


Abundance Ion 116.80 (116.50 to 117.50): VN054160.D (-1847) (-)

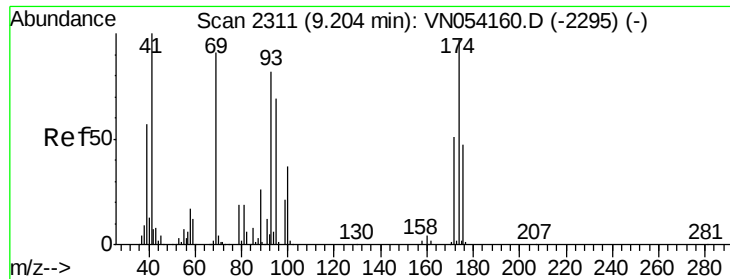
Ion 118.80 (118.50 to 119.50): VN054160.D (-1847) (-)

Ion 120.80 (120.50 to 121.50): VN054160.D (-1847) (-)

Time-->



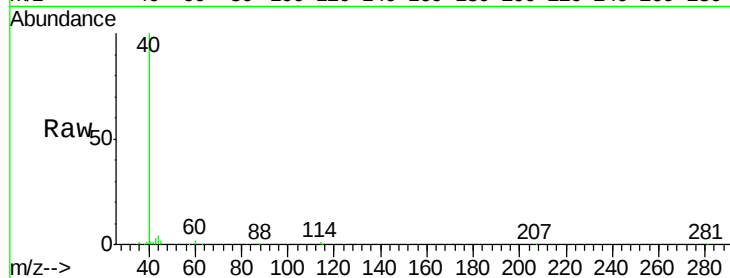
Time-->



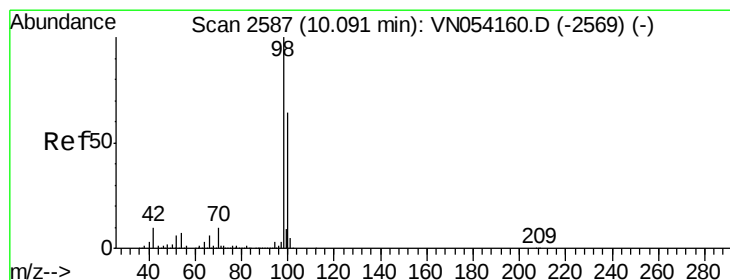
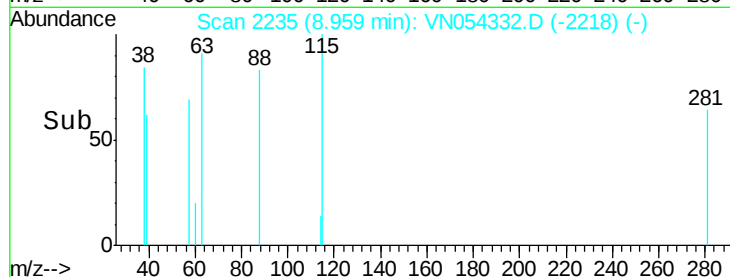
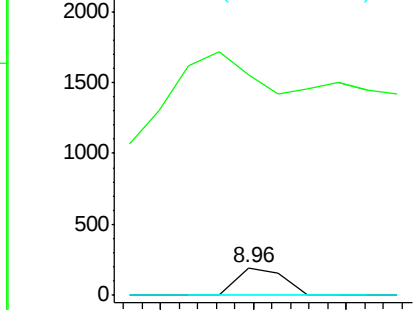
#49
1,4-Dioxane
Concen: 0.386 ug/l
RT: 8.96 min Scan# 2235
Delta R.T. -0.24 min
Lab File: VN054332.D
Acq: 16 Mar 2019 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBL01

Tot Ion: 88 Resp: 69
Ion Ratio Lower Upper
88 100
43 747.8 24.1 36.1#
58 0.0 50.8 76.2#

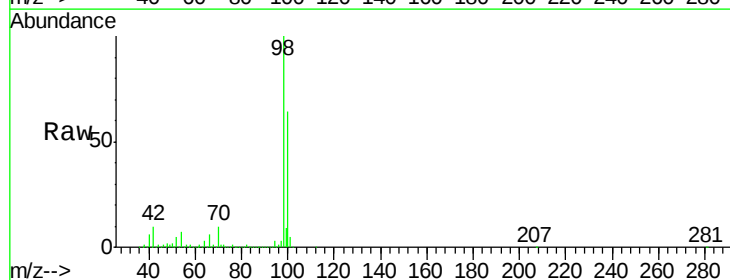


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

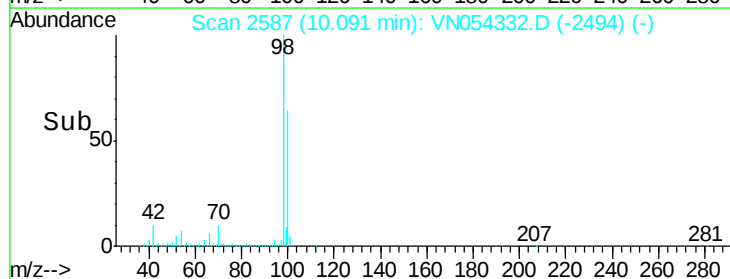
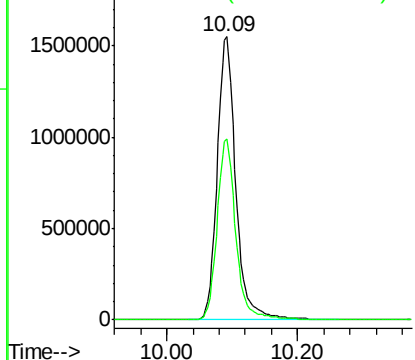


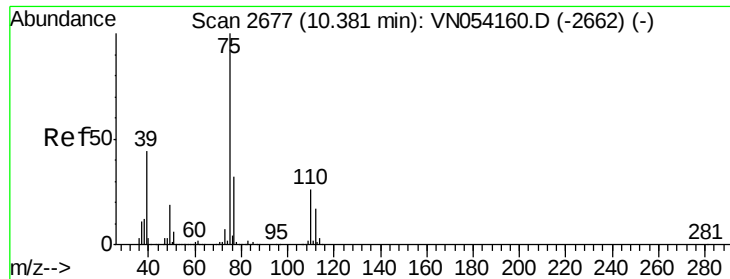
#50
Toluene-d8
Concen: 48.287 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN054332.D
Acq: 16 Mar 2019 13:07

Tgt Ion: 98 Resp: 3082032
Ion Ratio Lower Upper
98 100
100 64.4 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: 2.003 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampled :

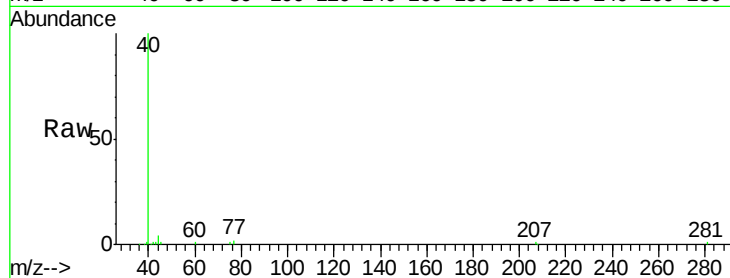
VN0316WBL01

Tot Ion: 75 Resp: 484

Ion Ratio Lower Upper

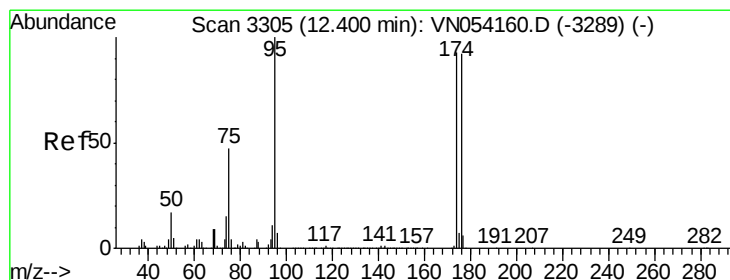
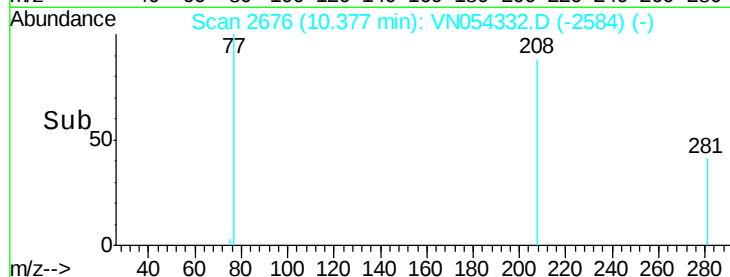
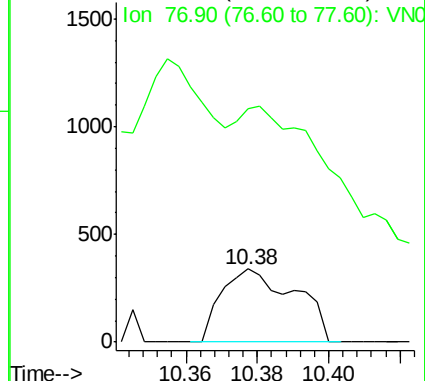
75 100

77 93.5 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 76.90 (76.60 to 77.60): VN0



#62

4-Bromofluorobenzene

Concen: 41.709 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

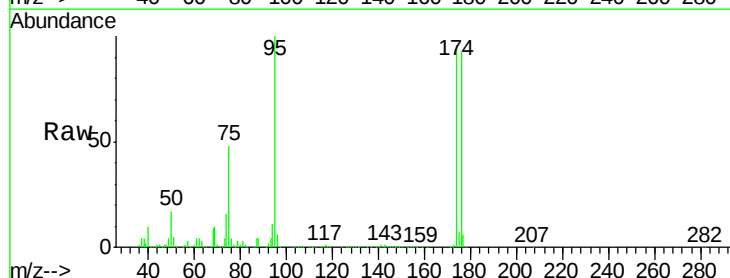
Tgt Ion: 95 Resp: 931502

Ion Ratio Lower Upper

95 100

174 96.8 0.0 191.0

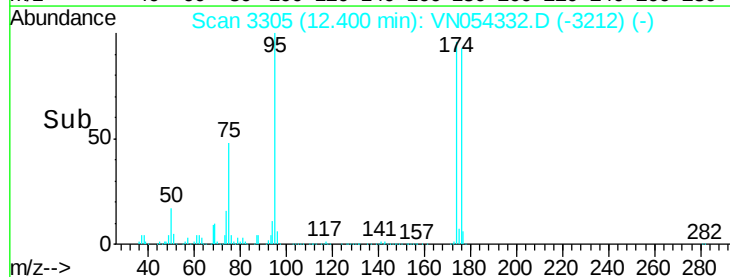
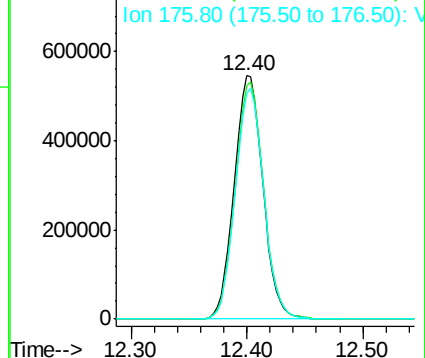
176 94.1 0.0 187.4

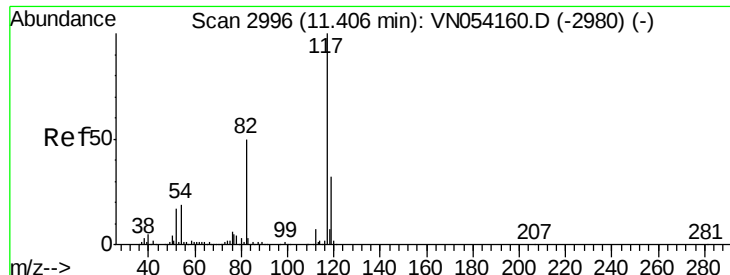


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

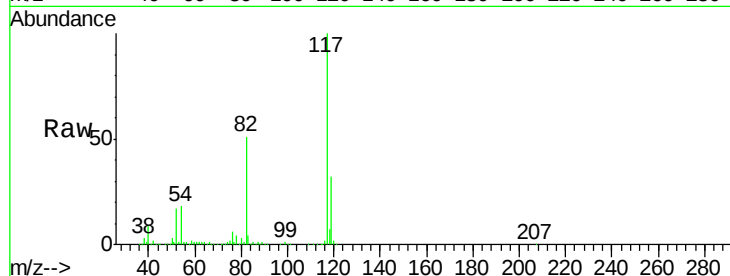




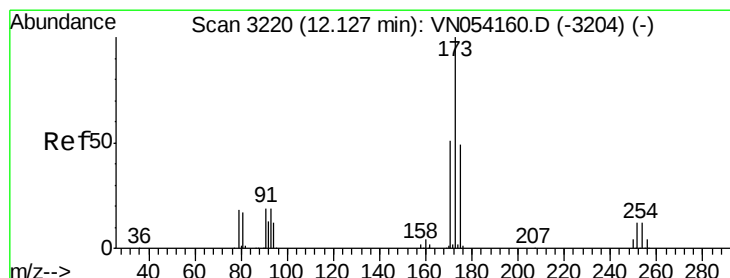
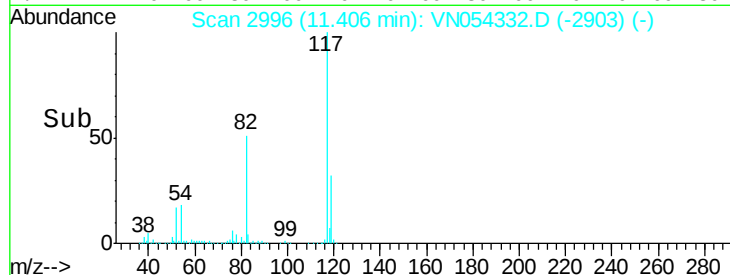
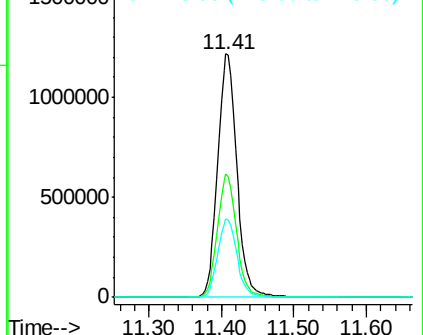
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN054332.D
Acq: 16 Mar 2019 13:07

Instrument :
MSVOA_N
ClientSampleId :
VN0316WBL01

Tot Ion:117 Resp: 2238433
Ion Ratio Lower Upper
117 100
82 50.8 40.0 60.0
119 32.2 25.8 38.6

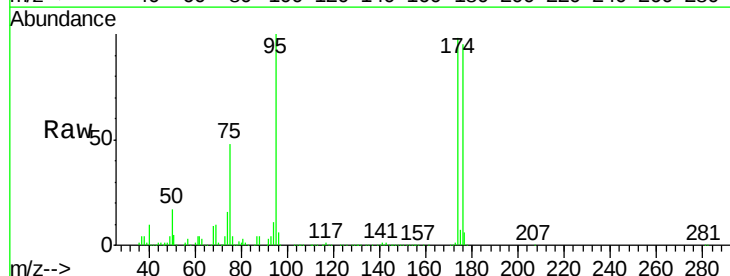


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

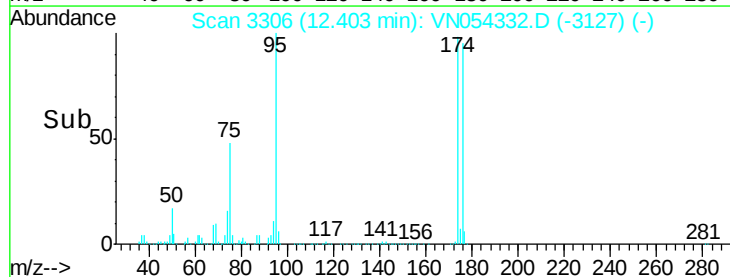
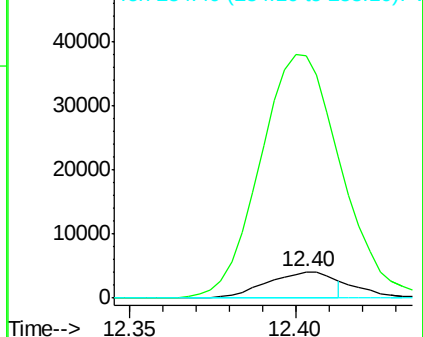


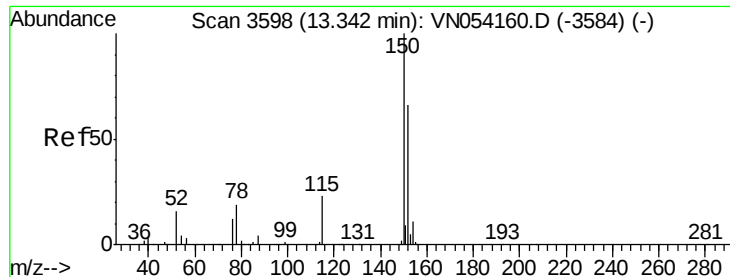
#71
Bromoform
Concen: 2.758 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN054332.D
Acq: 16 Mar 2019 13:07

Tgt Ion:173 Resp: 5824
Ion Ratio Lower Upper
173 100
175 957.7 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: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

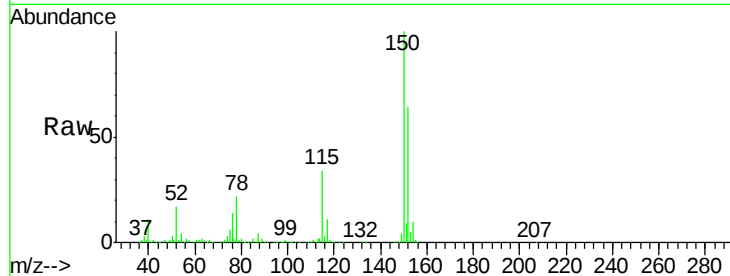
Tot Ion:152 Resp: 813368

Ion Ratio Lower Upper

152 100

115 54.7 27.2 81.6

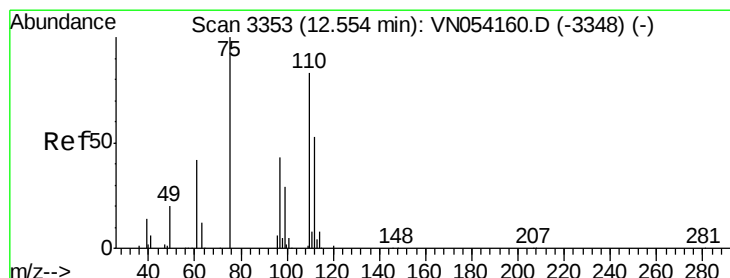
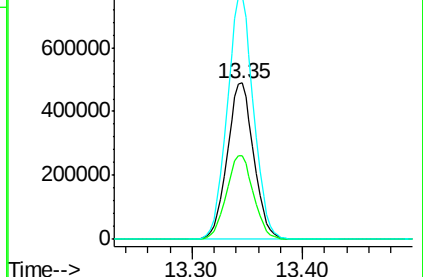
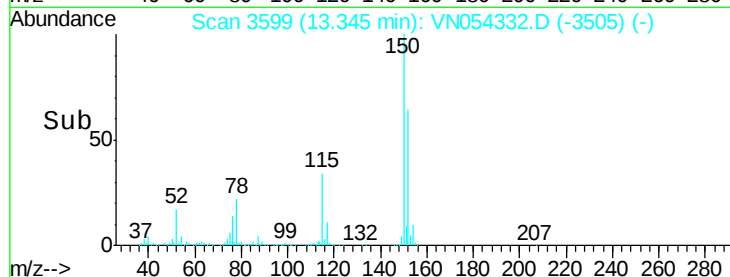
150 155.0 0.0 349.2



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: 37.240 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054332.D

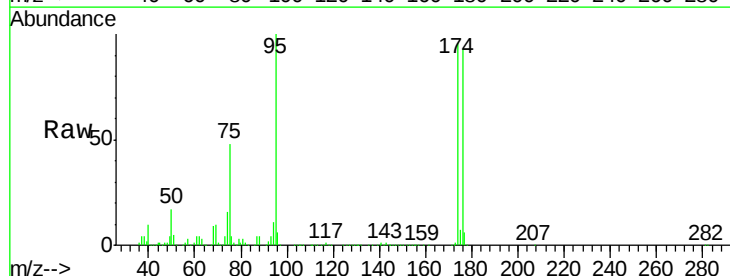
Acq: 16 Mar 2019 13:07

Tgt Ion: 75 Resp: 445423

Ion Ratio Lower Upper

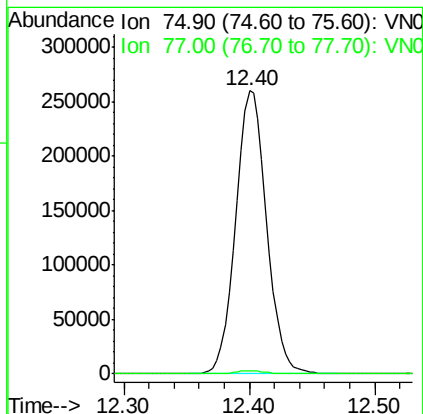
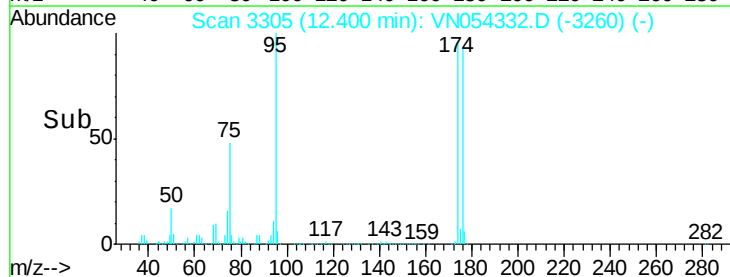
75 100

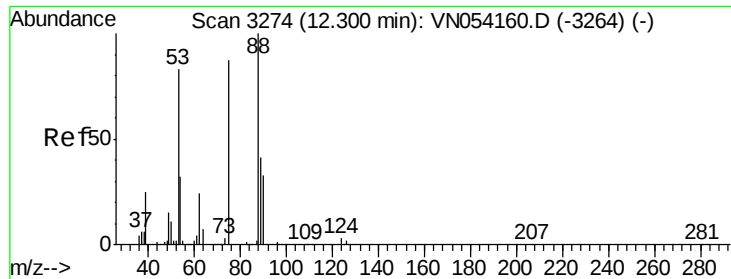
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V

Ion 77.00 (76.70 to 77.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 127.302 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

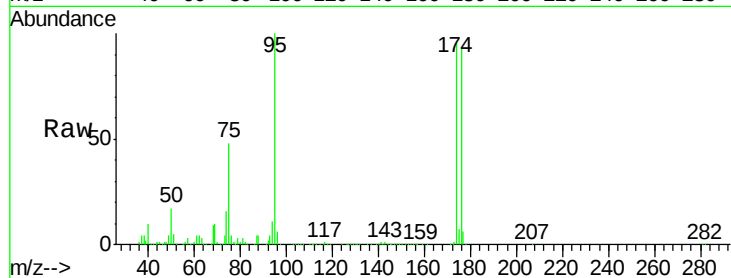
Tot Ion: 75 Resp: 445423

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

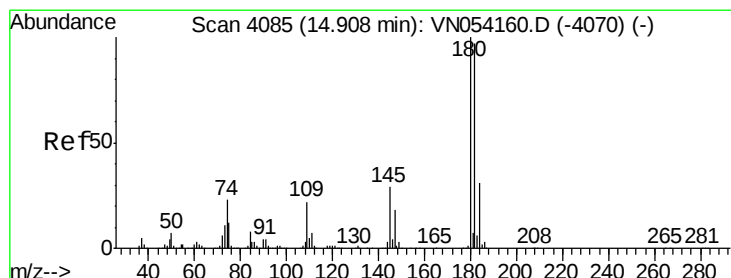
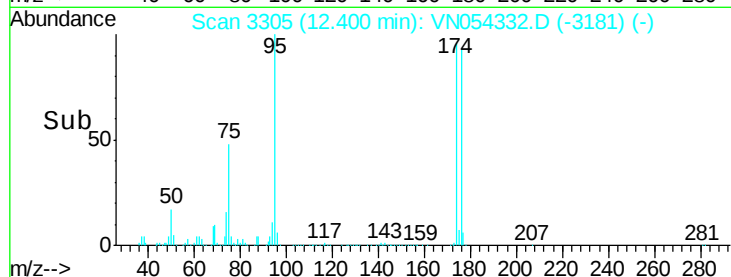
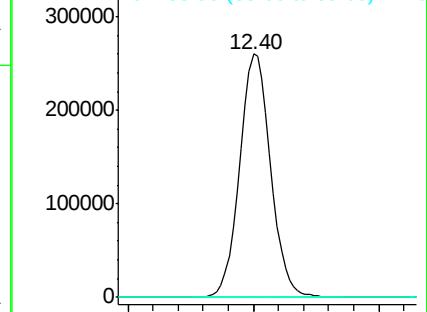
89 0.0 39.2 58.8#



Abundance Ion 74.90 (74.60 to 75.60): 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: 2.663 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

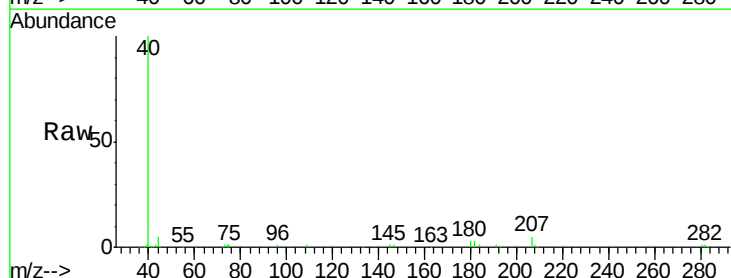
Tgt Ion:180 Resp: 2634

Ion Ratio Lower Upper

180 100

182 112.6 48.0 144.2

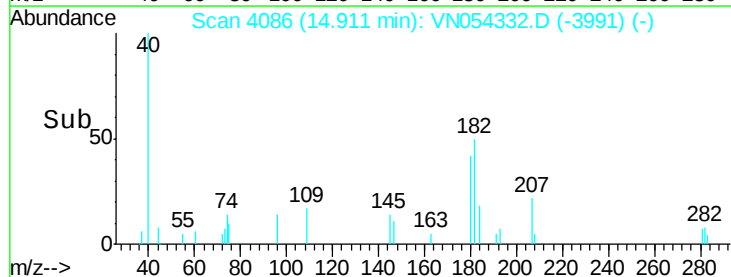
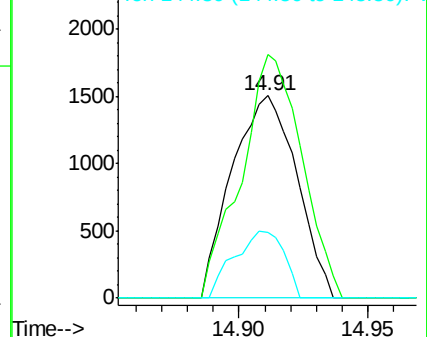
145 25.5 14.2 42.8

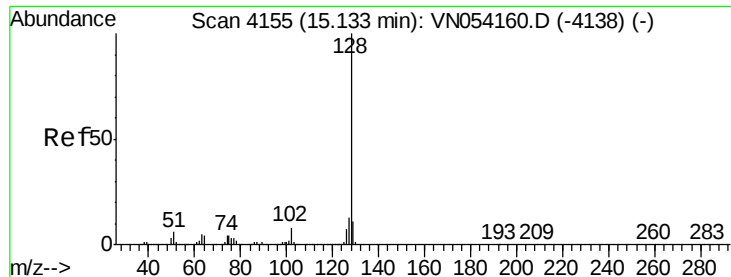


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 3.710 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

Instrument :

MSVOA_N

ClientSampleId :

VN0316WBL01

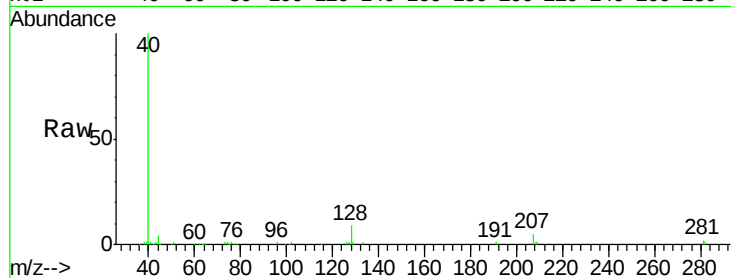
Tot Ion:128 Resp: 9220

Ion Ratio Lower Upper

128 100

127 12.0 10.1 15.1

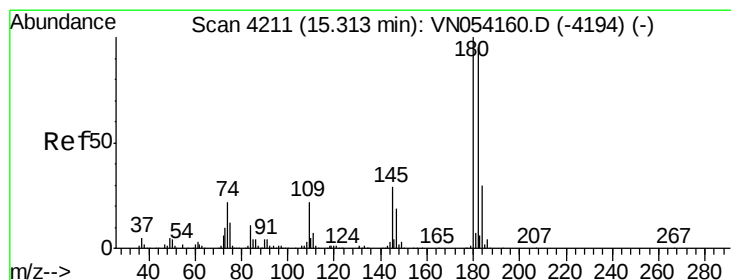
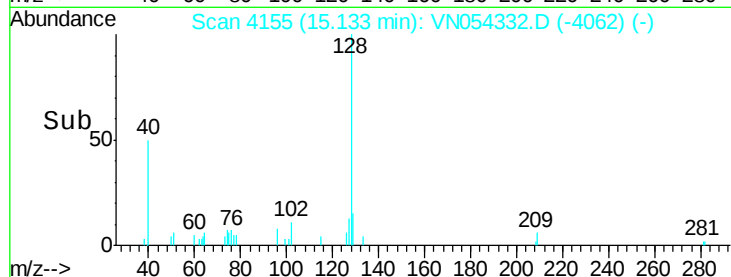
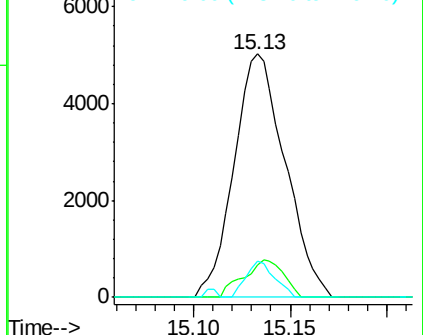
129 8.2 8.7 13.1#



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



#96

1,2,3-Trichlorobenzene

Concen: 0.232 ug/l

RT: 15.32 min Scan# 4212

Delta R.T. 0.00 min

Lab File: VN054332.D

Acq: 16 Mar 2019 13:07

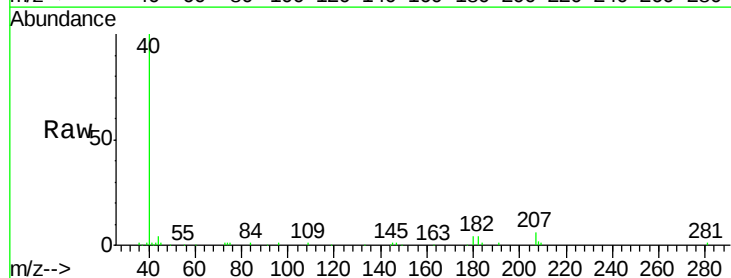
Tgt Ion:180 Resp: 3496

Ion Ratio Lower Upper

180 100

182 117.2 47.5 142.6

145 32.1 14.8 44.3



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

