

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031919\
 Data File : VN054432.D
 Acq On : 19 Mar 2019 11:17
 Operator : JC/SP
 Sample : VN0319WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Mar 20 03:50:30 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	2015149	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2850880	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2374367	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	903820	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	1027329	48.00	ug/l	0.00
Spiked Amount			Recovery	=	96.00%	
35) Dibromofluoromethane	7.59	113	971001	52.81	ug/l	0.00
Spiked Amount			Recovery	=	105.62%	
50) Toluene-d8	10.09	98	3723972	54.84	ug/l	0.00
Spiked Amount			Recovery	=	109.68%	
62) 4-Bromofluorobenzene	12.40	95	1121239	47.19	ug/l	0.00
Spiked Amount			Recovery	=	94.38%	

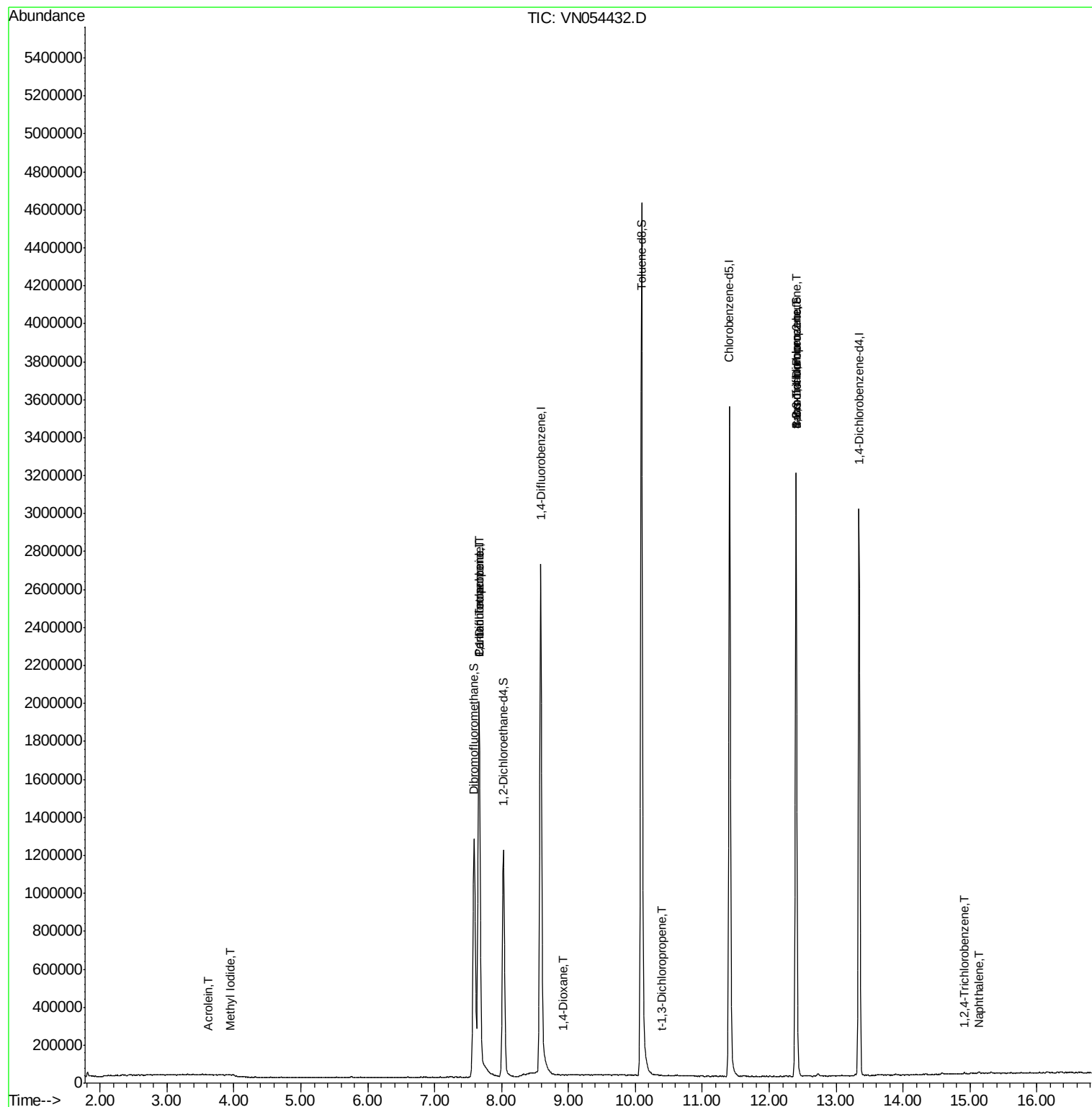
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.94	142	653	1.518	ug/l #	85
13) Acrolein	3.61	56	394	0.283	ug/l #	29
31) Cyclohexane	7.66	56	28304	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	115715	4.407	ug/l #	47
38) Carbon Tetrachloride	7.66	117	159610	5.797	ug/l #	16
49) 1,4-Dioxane	8.92	88	61	0.321	ug/l #	1
53) t-1,3-Dichloropropene	10.39	75	226	1.993	ug/l #	57
71) Bromoform	12.40	173	6841	2.802	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	514498	38.710	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	514498	132.328	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	2525	2.643	ug/l	93
95) Naphthalene	15.14	128	7939	3.656	ug/l	96

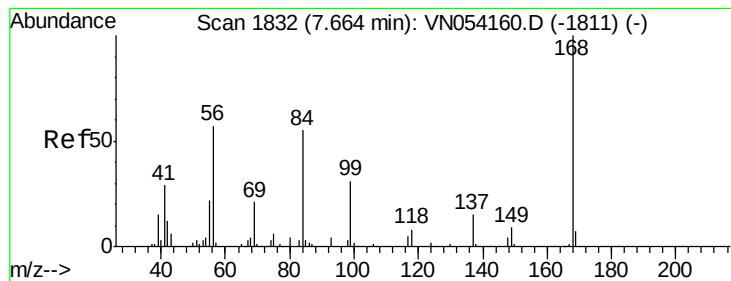
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN031919\
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Quant Time: Mar 20 03:50:30 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: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :

MSVOA_N

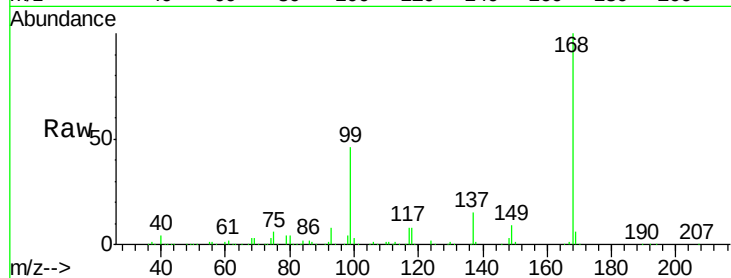
ClientSampled :

Tot Ion:168 Resp: 2015149

Ion Ratio Lower Upper

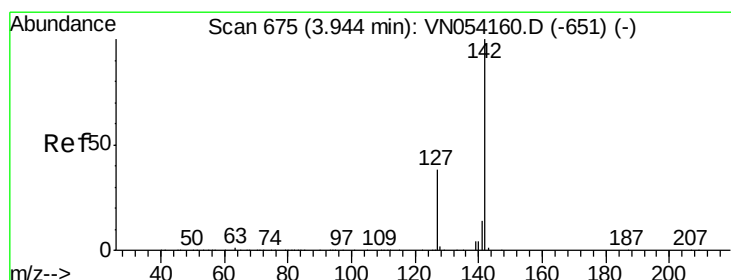
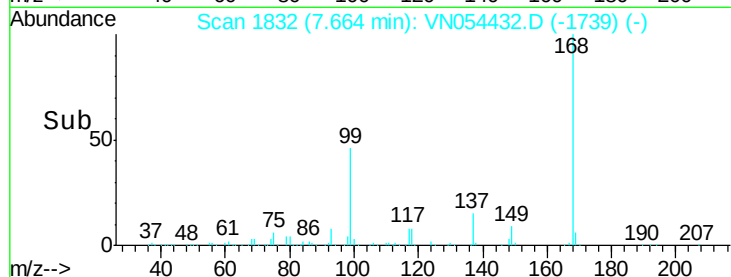
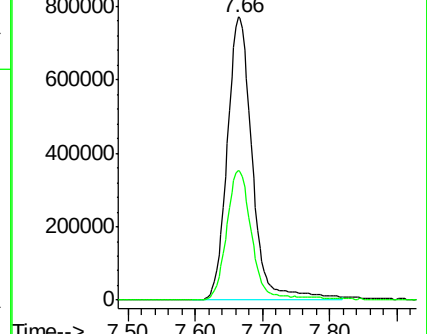
168 100

99 45.9 37.1 55.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN



#10

Methyl Iodide

Concen: 1.518 ug/l

RT: 3.94 min Scan# 673

Delta R.T. -0.01 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

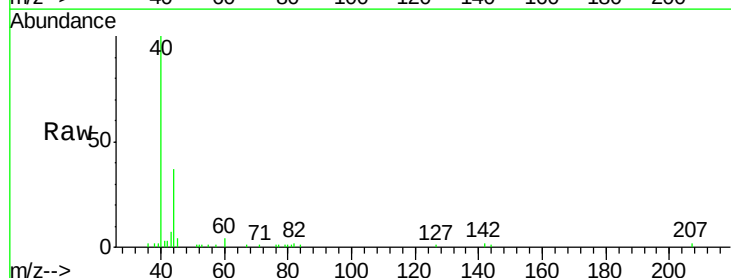
Tgt Ion:142 Resp: 653

Ion Ratio Lower Upper

142 100

127 42.3 30.3 45.5

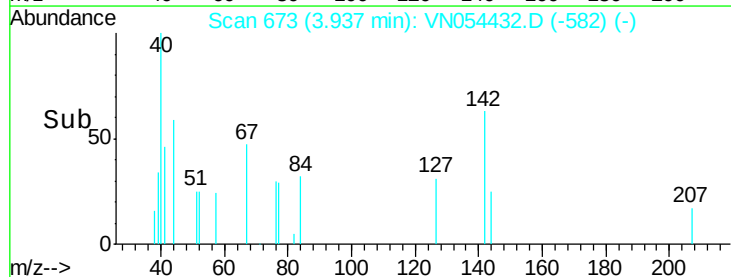
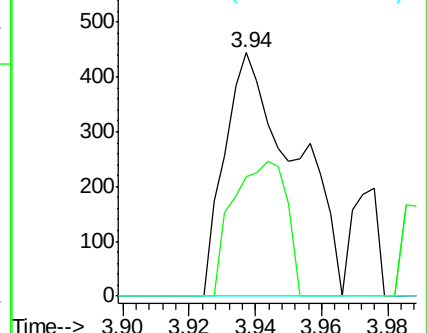
141 0.0 11.2 16.8#

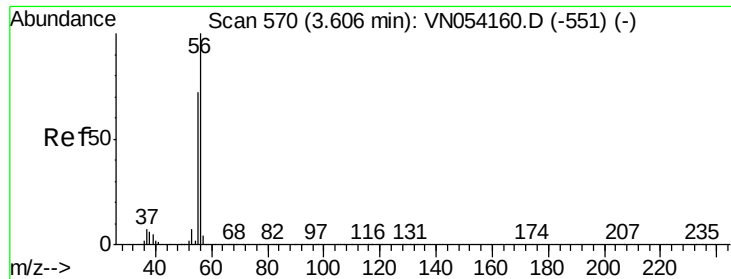


Abundance Ion 141.80 (141.50 to 142.50): V

Ion 126.80 (126.50 to 127.50): V

Ion 140.80 (140.50 to 141.50): V

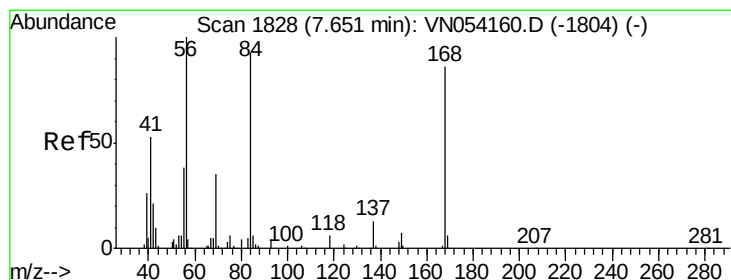
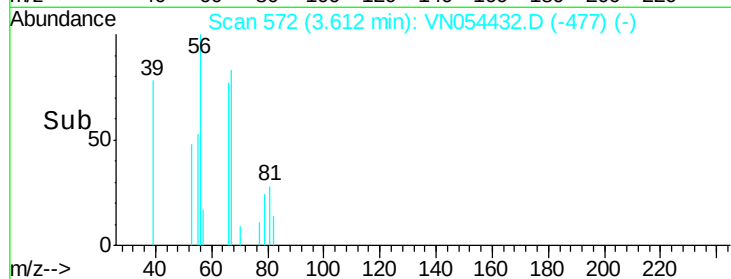
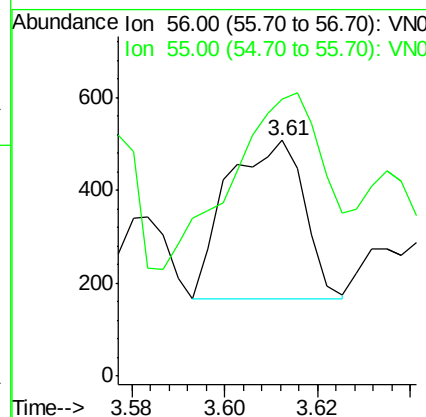
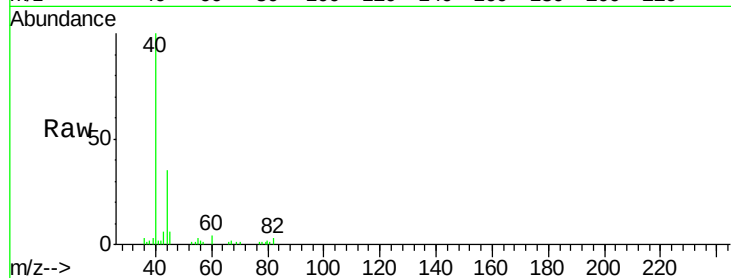




#13
Acrolein
Concen: 0.283 ug/l
RT: 3.61 min Scan# 572
Delta R.T. 0.01 min
Lab File: VN054432.D
Acq: 19 Mar 2019 11:17

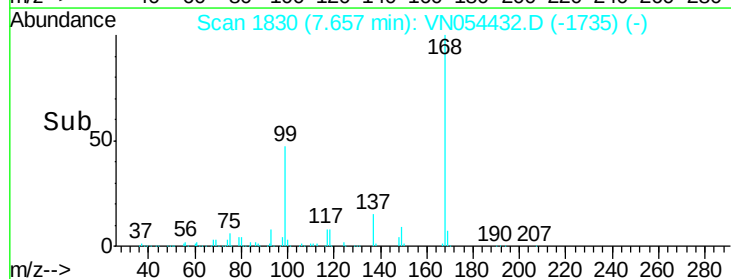
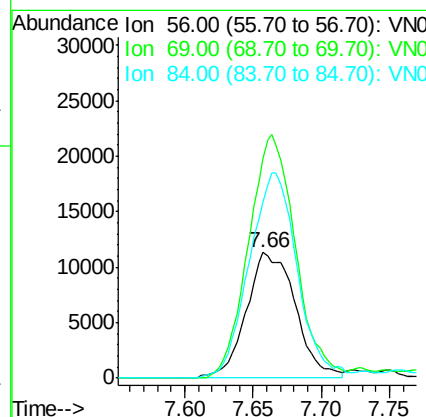
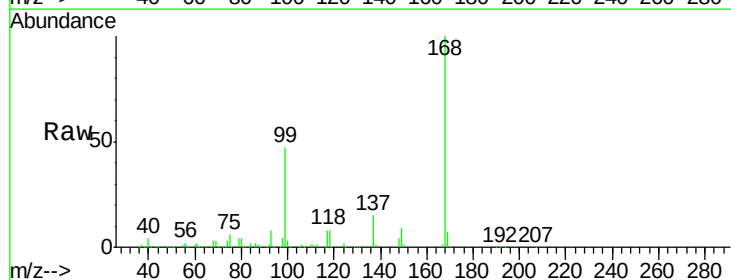
Instrument :
MSVOA_N
ClientSampled :

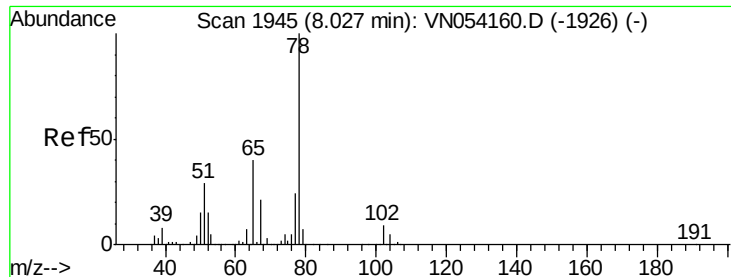
Tot Ion: 56 Resp: 394
Ion Ratio Lower Upper
56 100
55 129.9 56.7 85.1#



#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1830
Delta R.T. 0.01 min
Lab File: VN054432.D
Acq: 19 Mar 2019 11:17

Tgt Ion: 56 Resp: 28304
Ion Ratio Lower Upper
56 100
69 175.1 27.8 41.6#
84 140.3 74.6 111.8#

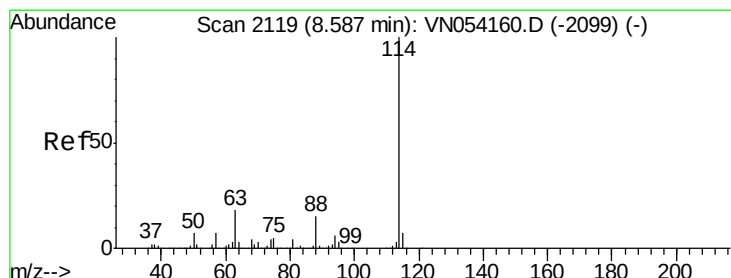
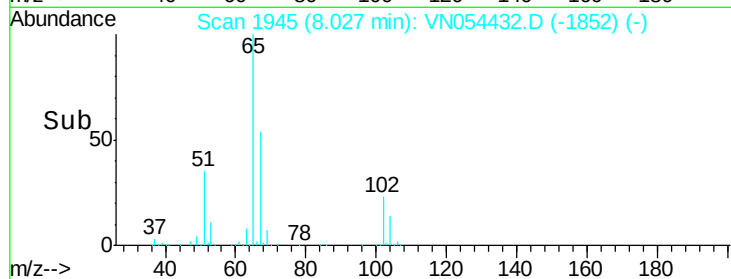
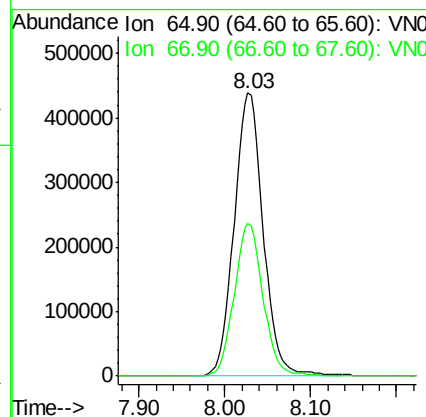
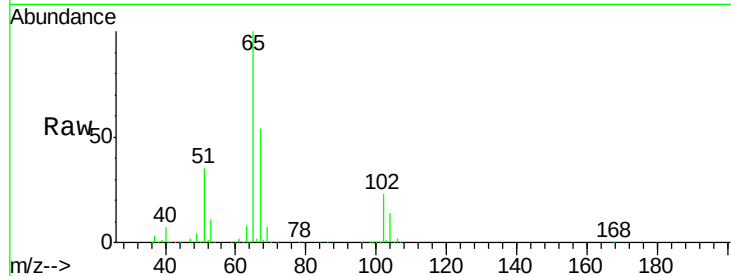




#33
 1,2-Dichloroethane-d4
 Concen: 48.004 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054432.D
 Acq: 19 Mar 2019 11:17

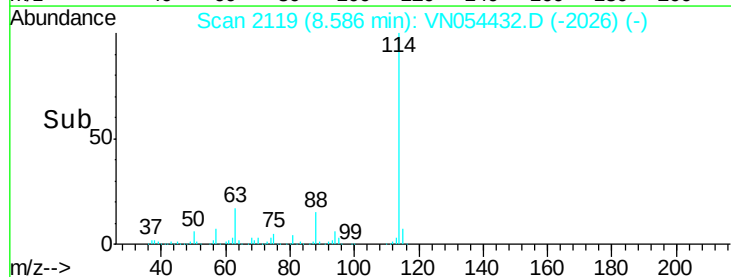
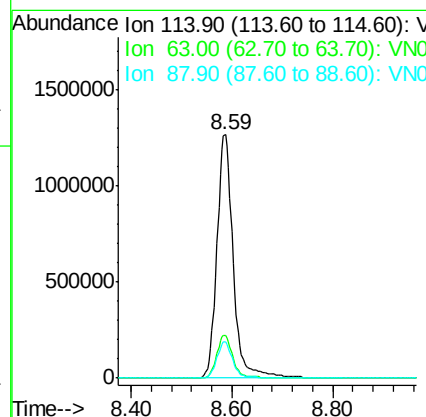
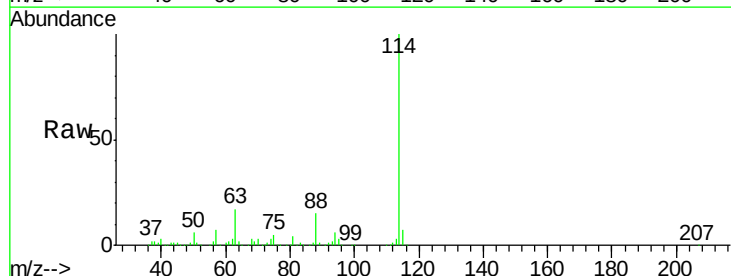
Instrument :
 MSVOA_N
 ClientSampleId :

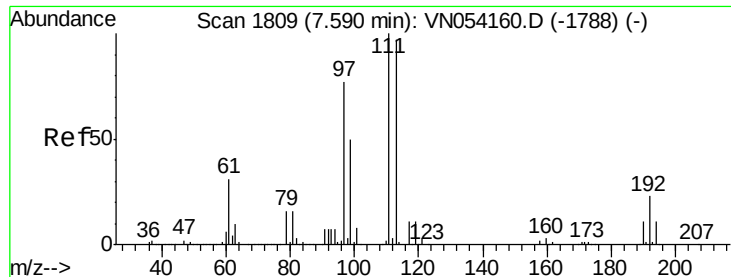
Tot Ion: 65 Resp: 1027329
 Ion Ratio Lower Upper
 65 100
 67 53.4 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054432.D
 Acq: 19 Mar 2019 11:17

Tgt Ion: 114 Resp: 2850880
 Ion Ratio Lower Upper
 114 100
 63 17.4 0.0 35.2
 88 14.9 0.0 30.2





#35

Dibromofluoromethane

Concen: 52.809 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :
MSVOA_N
ClientSampled :

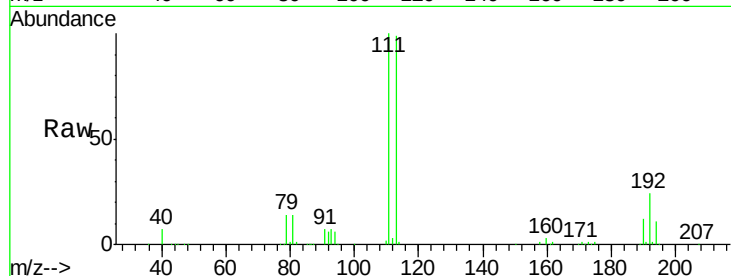
Tot Ion:113 Resp: 971001

Ion Ratio Lower Upper

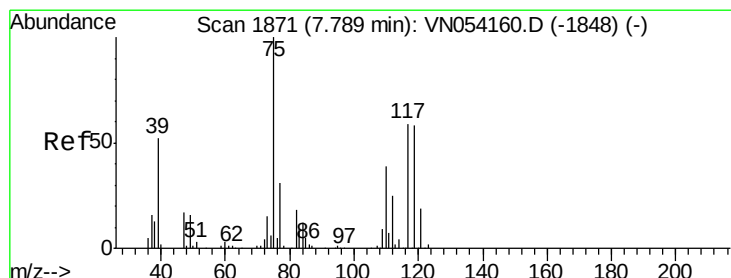
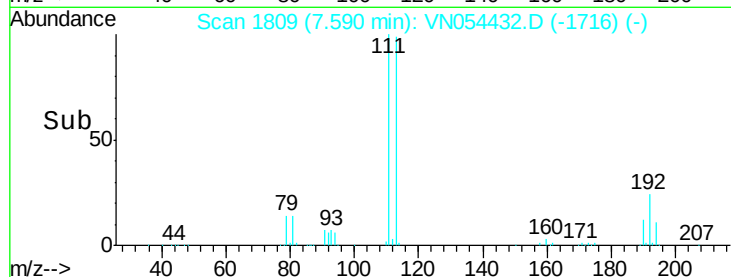
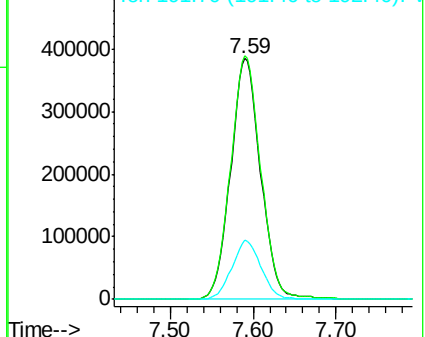
113 100

111 101.9 82.2 123.4

192 24.0 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: 4.407 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

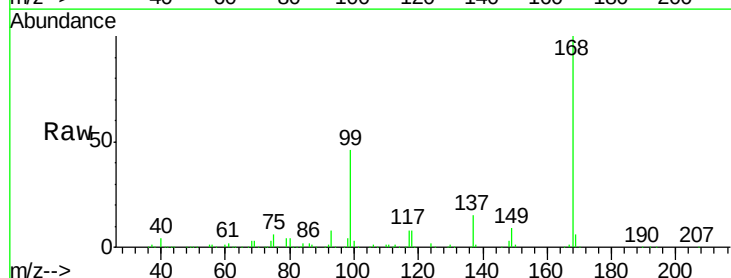
Tgt Ion: 75 Resp: 115715

Ion Ratio Lower Upper

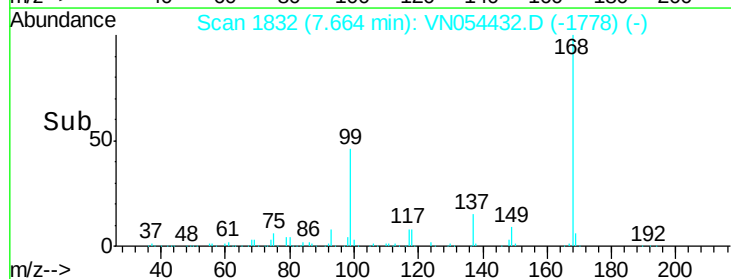
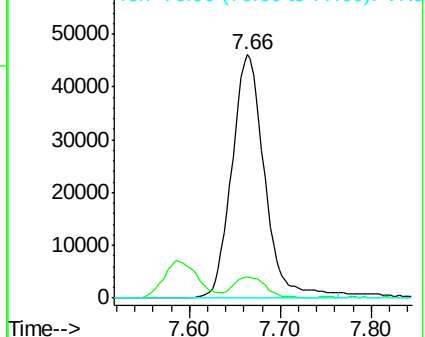
75 100

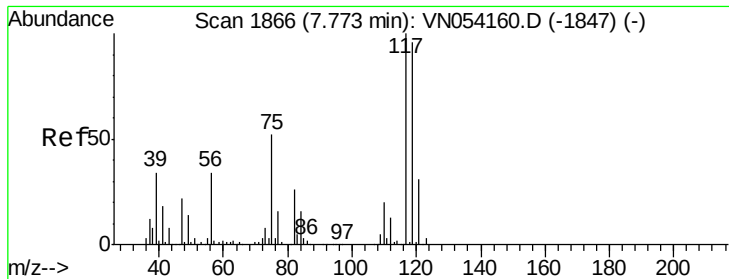
110 8.5 19.1 57.5#

77 0.0 25.0 37.4#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 109.90 (109.60 to 110.60): V
Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.797 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

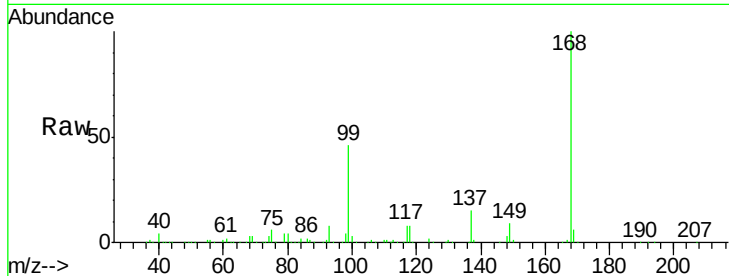
Tot Ion:117 Resp: 159610

Ion Ratio Lower Upper

117 100

119 4.3 76.3 114.5#

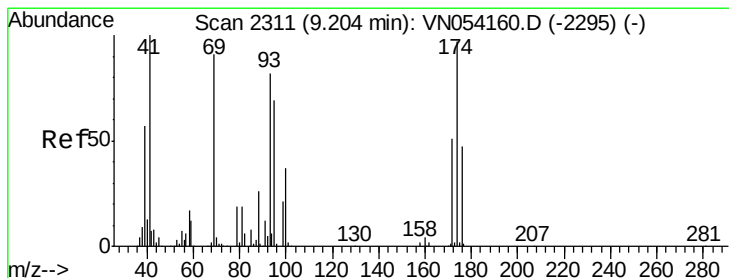
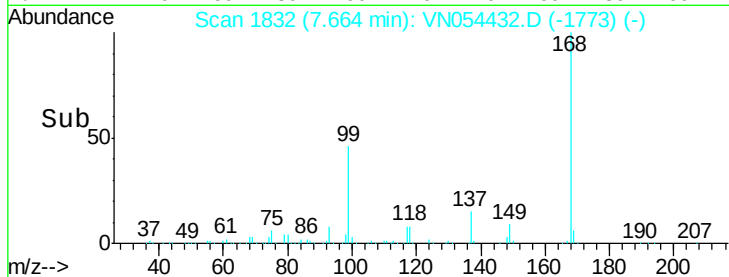
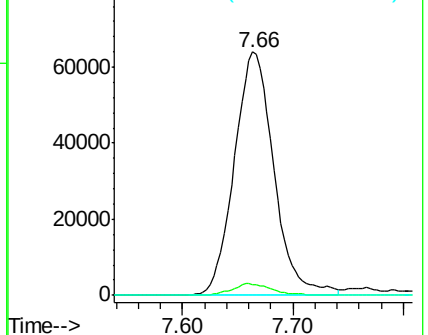
121 0.0 24.6 36.8#



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



#49

1,4-Dioxane

Concen: 0.321 ug/l

RT: 8.92 min Scan# 2222

Delta R.T. -0.29 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

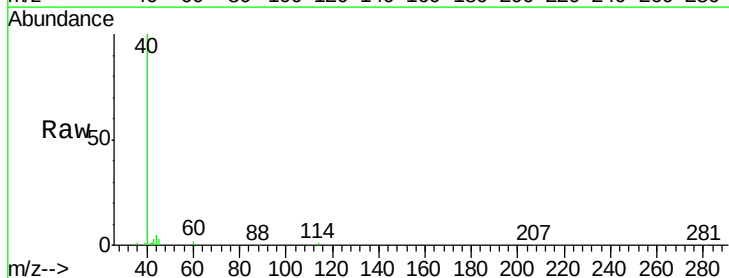
Tgt Ion: 88 Resp: 61

Ion Ratio Lower Upper

88 100

43 882.0 24.1 36.1#

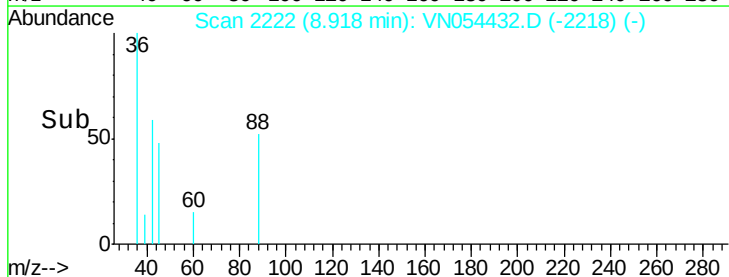
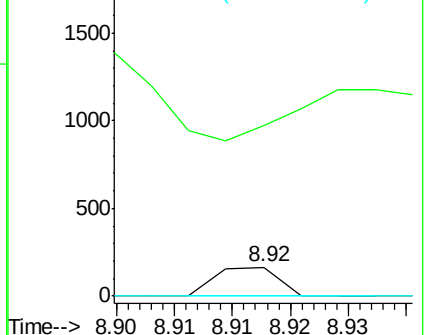
58 0.0 50.8 76.2#

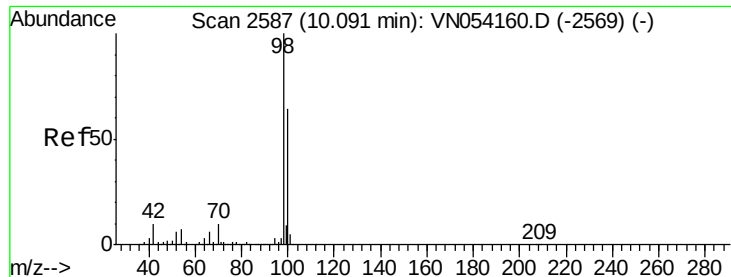


Abundance Ion 88.00 (87.70 to 88.70): VNO

Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO





#50

Toluene-d8

Concen: 54.840 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :

MSVOA_N

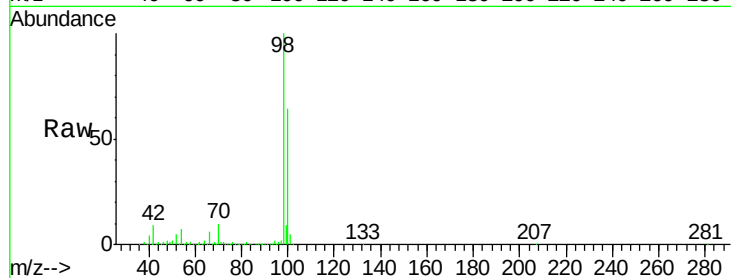
ClientSampleId :

Tot Ion: 98 Resp: 3723972

Ion Ratio Lower Upper

98 100

100 64.2 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN054160.D (-2569) (-)

Ion 100.00 (99.70 to 100.70): VN054160.D (-2569) (-)

10.09

2000000

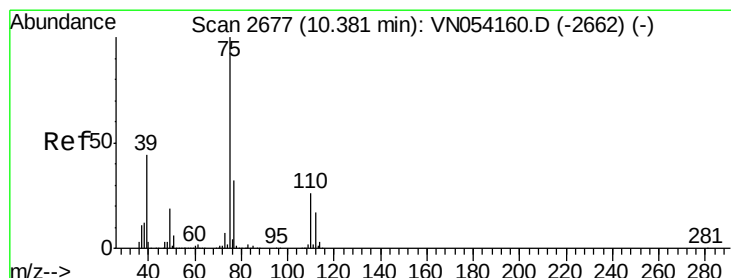
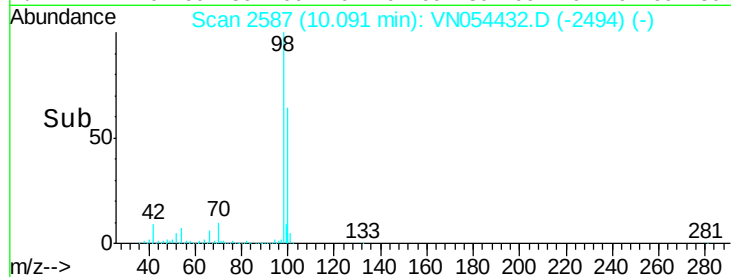
1500000

1000000

500000

0

Time-->



#53

t-1,3-Dichloropropene

Concen: 1.993 ug/l

RT: 10.39 min Scan# 2680

Delta R.T. 0.01 min

Lab File: VN054432.D

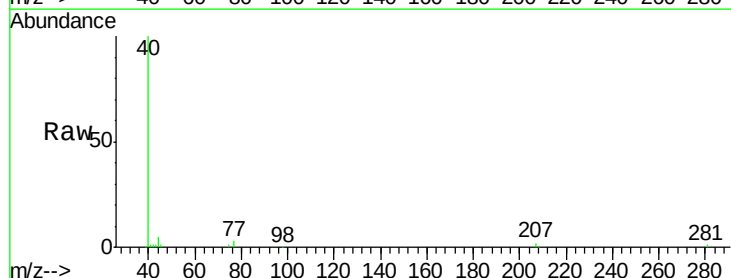
Acq: 19 Mar 2019 11:17

Tgt Ion: 75 Resp: 226

Ion Ratio Lower Upper

75 100

77 56.3 25.8 38.8#



Abundance Ion 74.90 (74.60 to 75.60): VN054160.D (-2662) (-)

Ion 76.90 (76.60 to 77.60): VN054160.D (-2662) (-)

10.39

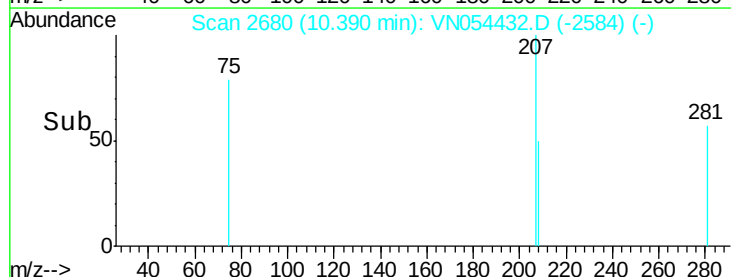
1500

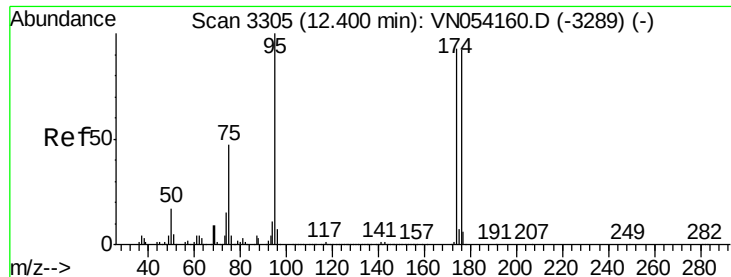
1000

500

0

Time-->





#62

4-Bromofluorobenzene

Concen: 47.190 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :

MSVOA_N

ClientSampleId :

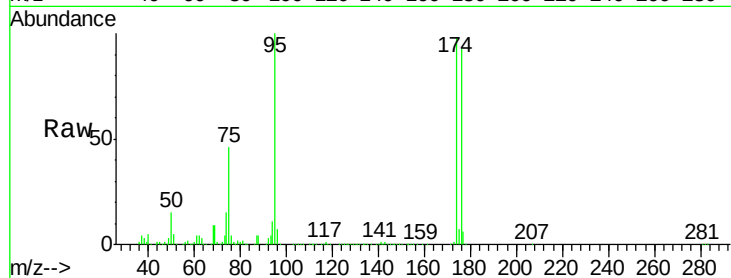
Tot Ion: 95 Resp: 1121239

Ion Ratio Lower Upper

95 100

174 97.8 0.0 191.0

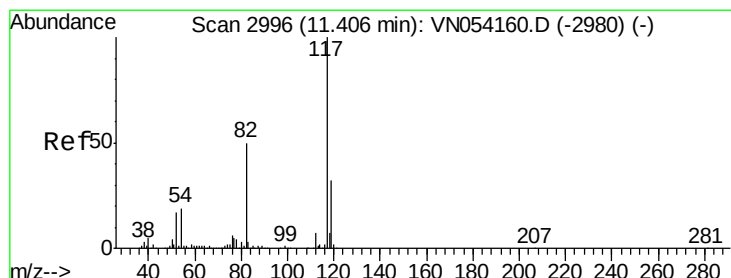
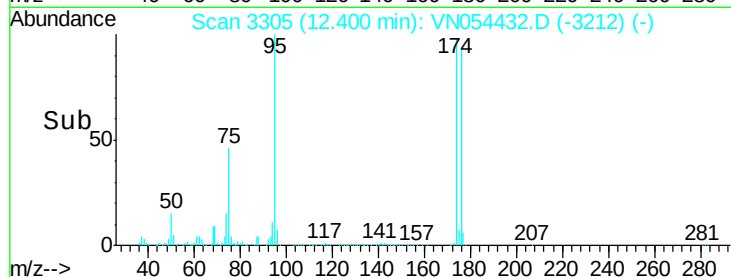
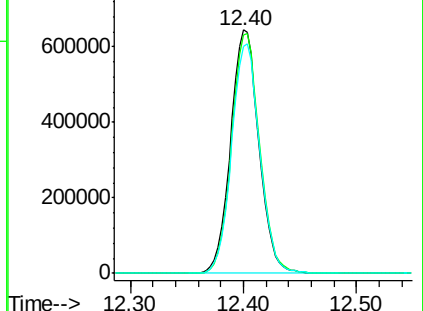
176 94.1 0.0 187.4



Abundance Ion 94.90 (94.60 to 95.60): VN054432.D (-2903) (-)

Ion 173.80 (173.50 to 174.50): VN054432.D (-2903) (-)

Ion 175.80 (175.50 to 176.50): VN054432.D (-2903) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

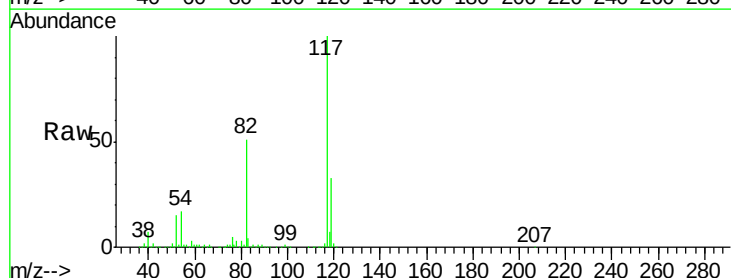
Tgt Ion: 117 Resp: 2374367

Ion Ratio Lower Upper

117 100

82 50.8 40.0 60.0

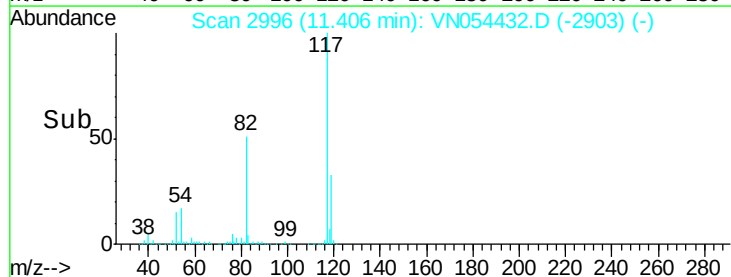
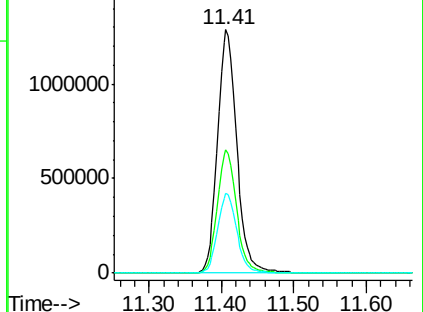
119 32.8 25.8 38.6

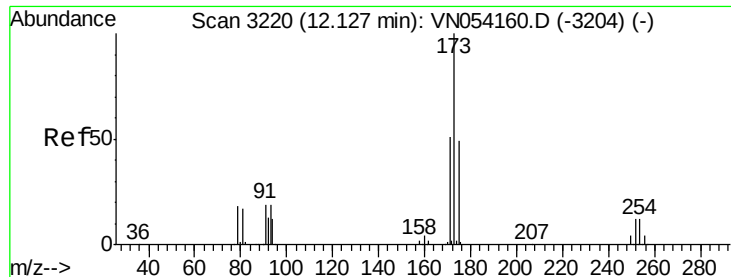


Abundance Ion 116.90 (116.60 to 117.60): VN054432.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054432.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054432.D (-2903) (-)





#71

Bromoform

Concen: 2.802 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :

MSVOA_N

ClientSampled :

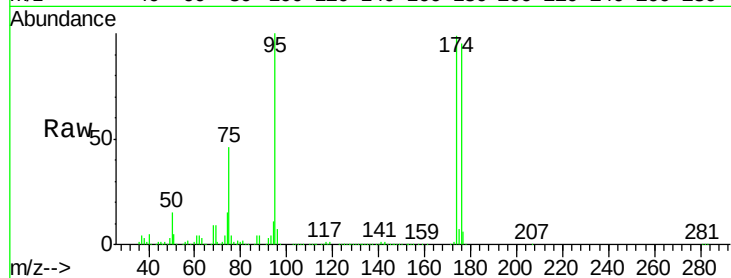
Tot Ion:173 Resp: 6841

Ion Ratio Lower Upper

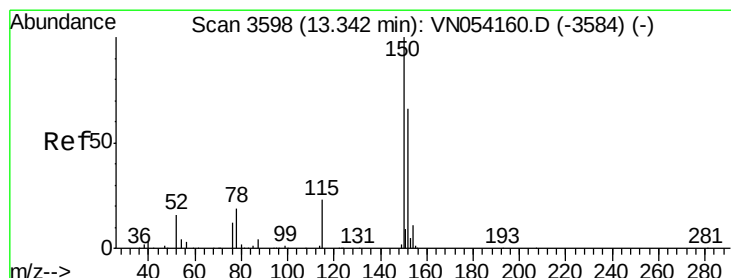
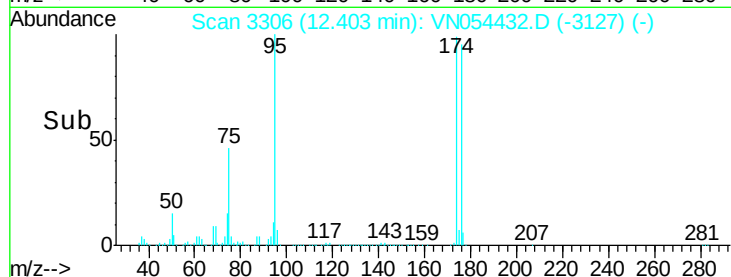
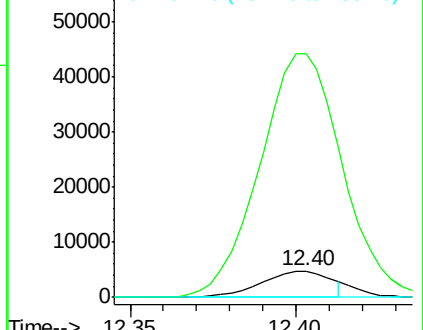
173 100

175 972.1 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: 13.34 min Scan# 3598

Delta R.T. -0.00 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

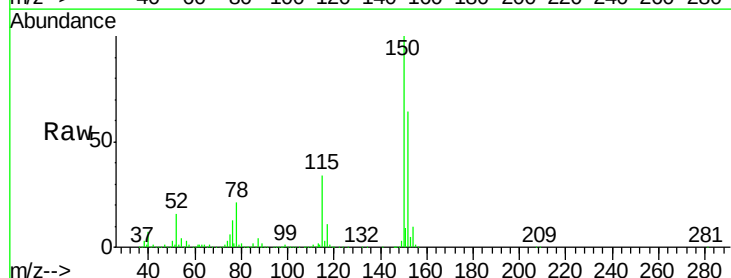
Tgt Ion:152 Resp: 903820

Ion Ratio Lower Upper

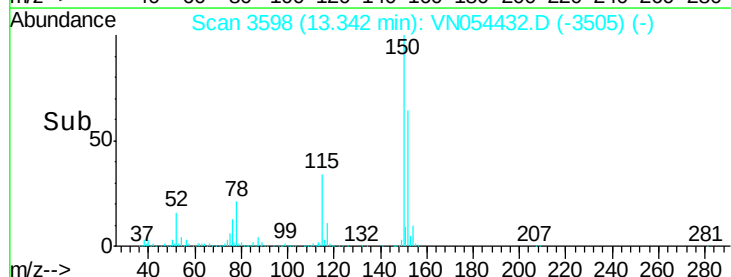
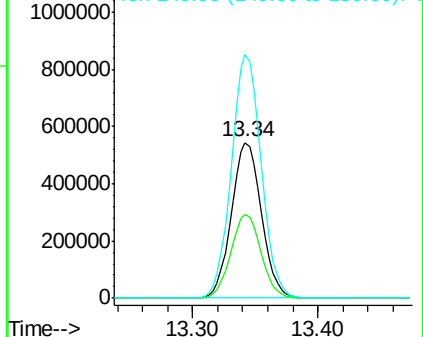
152 100

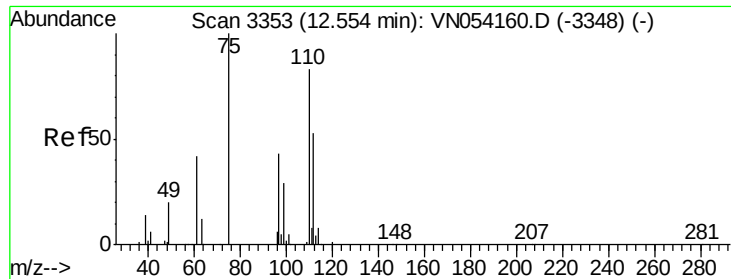
115 54.0 27.2 81.6

150 155.4 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: 38.710 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

Instrument :

MSVOA_N

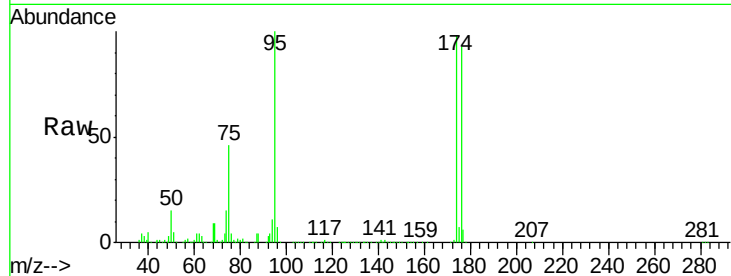
ClientSampleId :

Tot Ion: 75 Resp: 514498

Ion Ratio Lower Upper

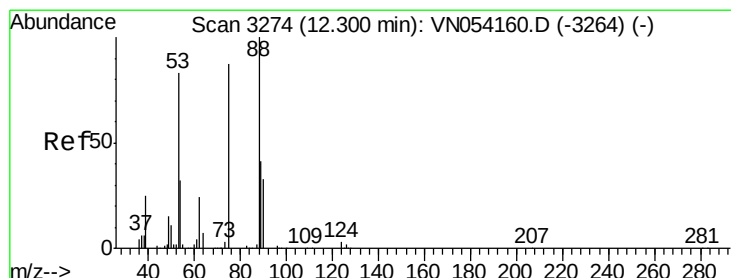
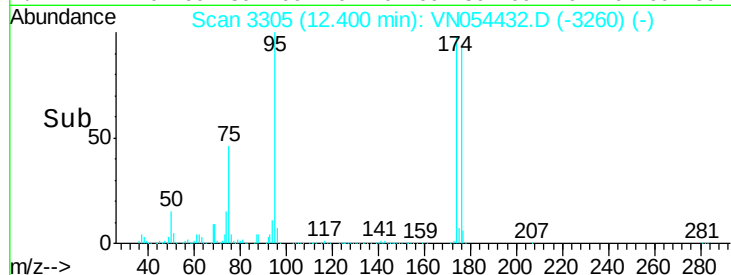
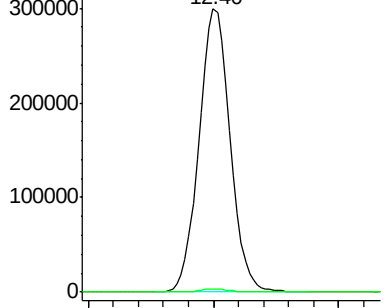
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



#81

trans-1,4-Dichloro-2-butene

Concen: 132.328 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054432.D

Acq: 19 Mar 2019 11:17

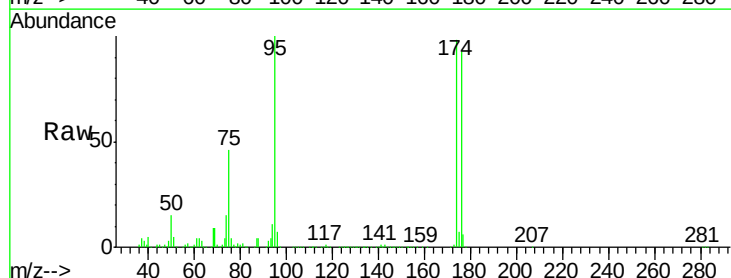
Tgt Ion: 75 Resp: 514498

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

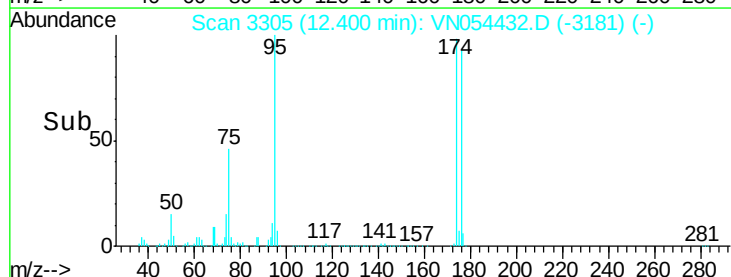
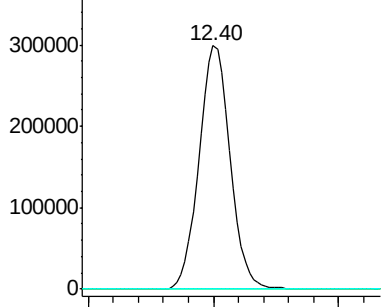
89 0.0 39.2 58.8#

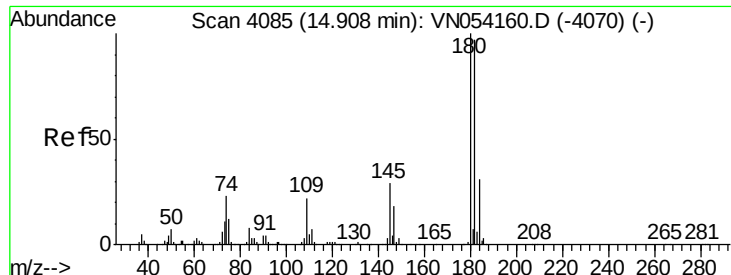


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

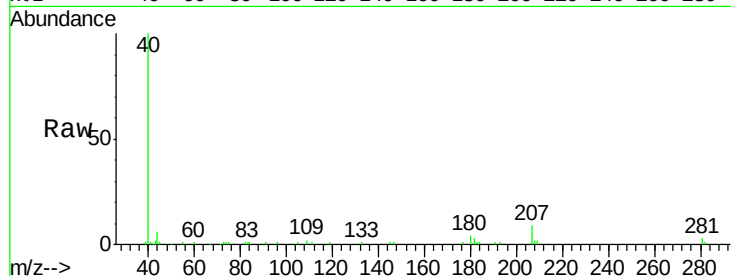




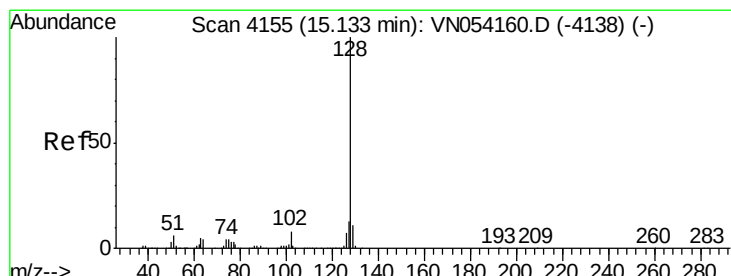
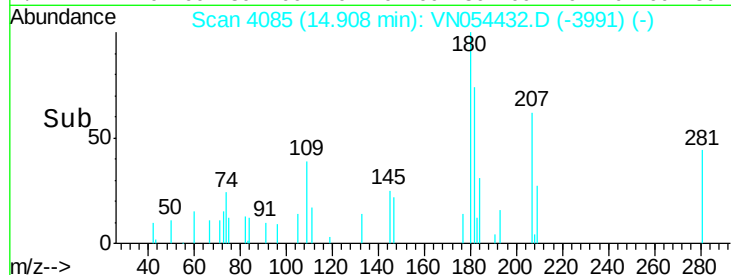
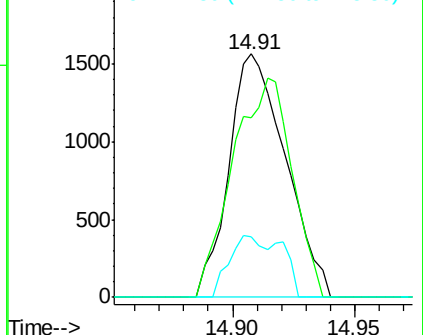
#93
 1,2,4-Trichlorobenzene
 Concen: 2.643 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN054432.D
 Acq: 19 Mar 2019 11:17

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
180	100		
182	93.9	48.0	144.2
145	16.2	14.2	42.8

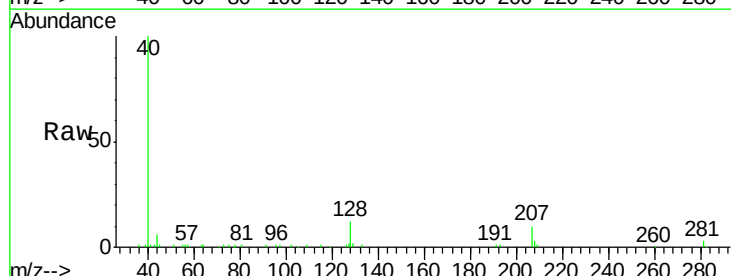


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V



#95
 Naphthalene
 Concen: 3.656 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN054432.D
 Acq: 19 Mar 2019 11:17

Tgt Ion	Ratio	Lower	Upper
128	100		
127	14.5	10.1	15.1
129	12.1	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

