

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN031619\
 Data File : VN054348.D
 Acq On : 16 Mar 2019 20:25
 Operator : JC/SP
 Sample : K1938-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 W-2

Quant Time: Mar 18 04:54:27 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	1870991	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2629533	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2211617	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	790762	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	924119	46.51	ug/l	0.00
Spiked Amount			Recovery	=	93.02%	
35) Dibromofluoromethane	7.59	113	795984	46.93	ug/l	0.00
Spiked Amount			Recovery	=	93.86%	
50) Toluene-d8	10.09	98	3023173	48.27	ug/l	0.00
Spiked Amount			Recovery	=	96.54%	
62) 4-Bromofluorobenzene	12.40	95	903964	41.25	ug/l	0.00
Spiked Amount			Recovery	=	82.50%	

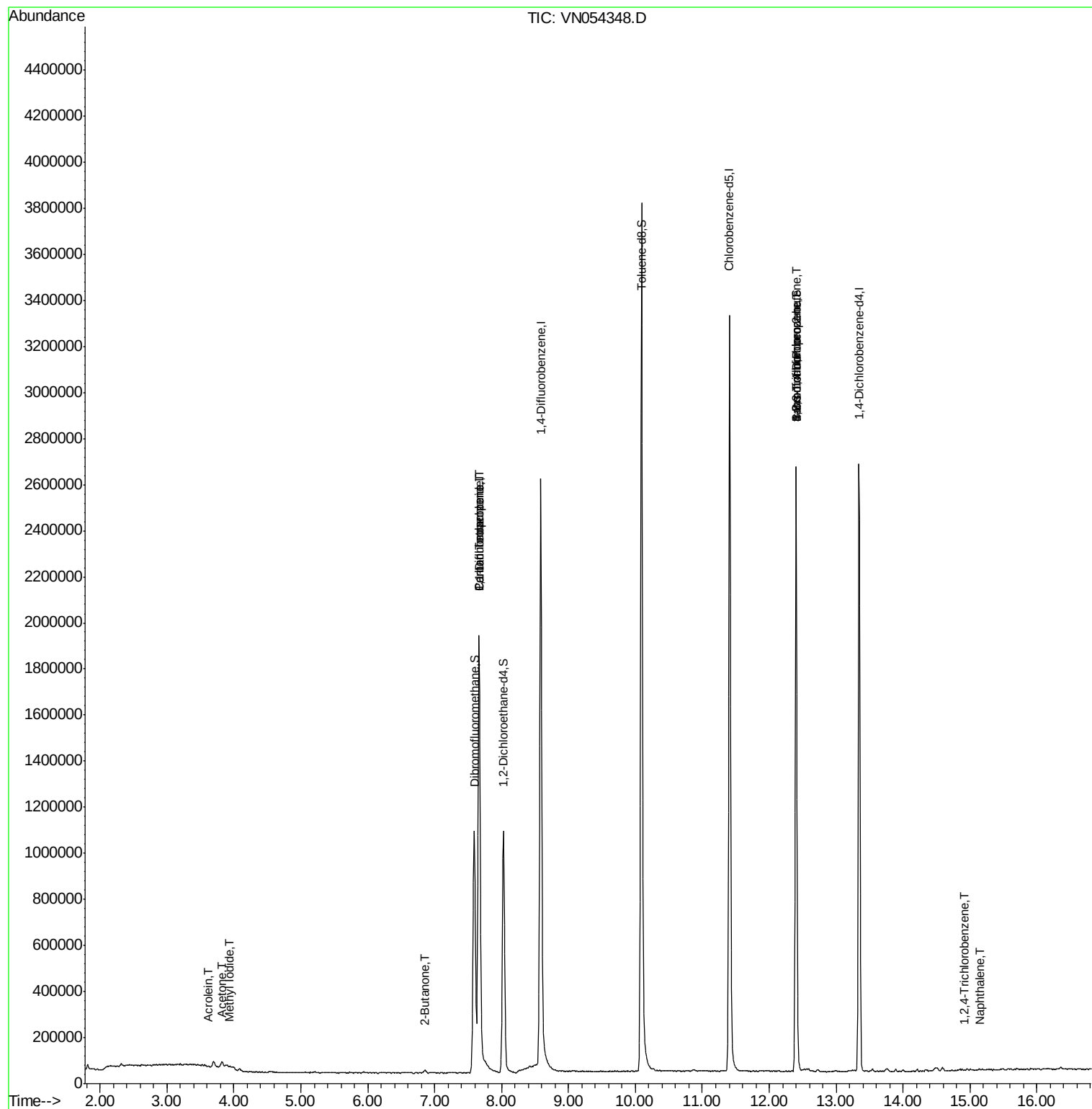
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Methyl Iodide	3.93	142	98	1.500	ug/l #	45
13) Acrolein	3.62	56	1537	1.191	ug/l #	28
16) Acetone	3.82	43	32123	5.646	ug/l	95
25) 2-Butanone	6.87	43	2194	0.329	ug/l	91
31) Cyclohexane	7.66	56	26612	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	108109	4.464	ug/l #	49
38) Carbon Tetrachloride	7.66	117	148073	5.831	ug/l #	16
71) Bromoform	12.41	173	5272	2.724	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	431461	37.104	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	431461	126.837	ug/l #	11
93) 1,2,4-Trichlorobenzene	14.91	180	177	2.527	ug/l #	1
95) Naphthalene	15.14	128	4534	3.591	ug/l #	88

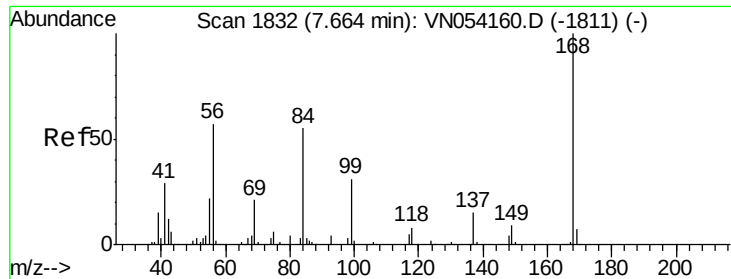
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

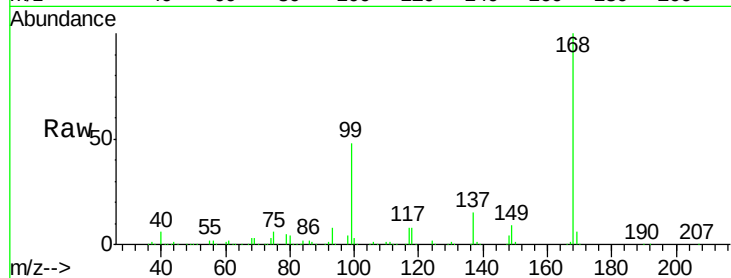
W-2

Tot Ion:168 Resp: 1870991

Ion Ratio Lower Upper

168 100

99 48.4 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

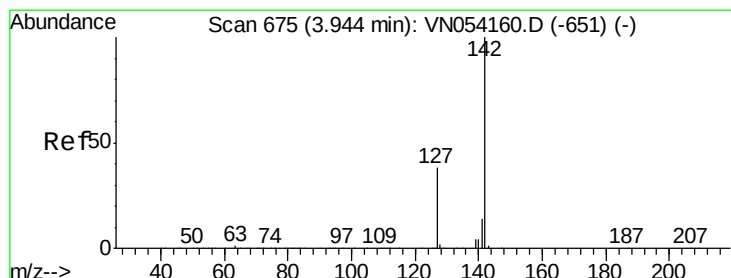
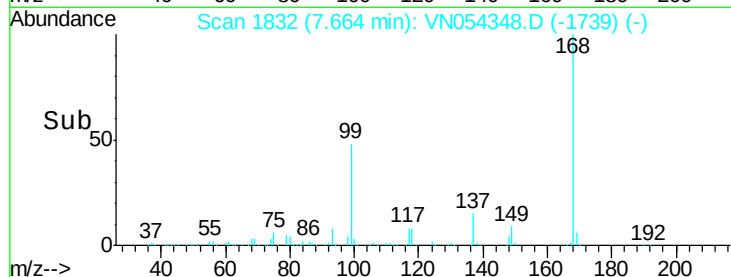
600000

400000

200000

0

Time-->



#10

Methyl Iodide

Concen: 1.500 ug/l

RT: 3.93 min Scan# 670

Delta R.T. -0.02 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

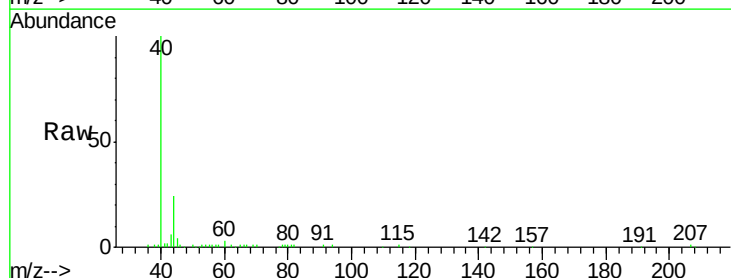
Tgt Ion:142 Resp: 98

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

3.93

200

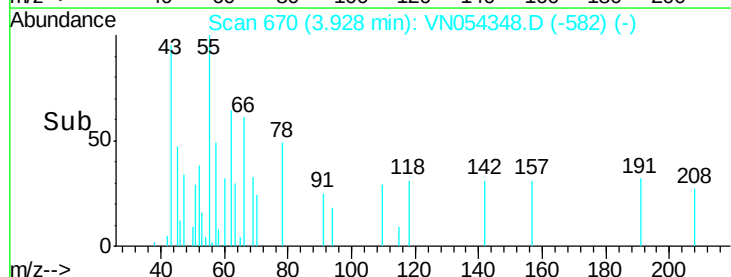
150

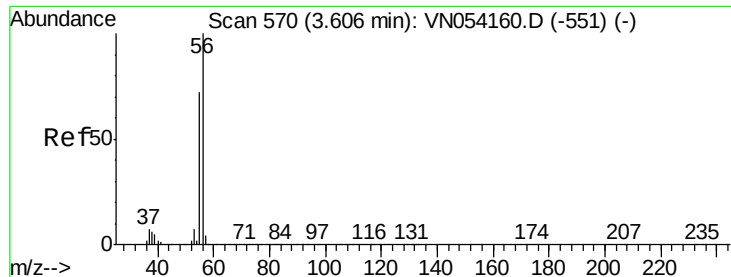
100

50

0

Time-->





#13

Acrolein

Concen: 1.191 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

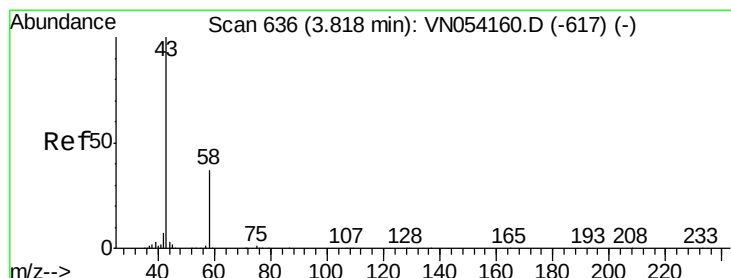
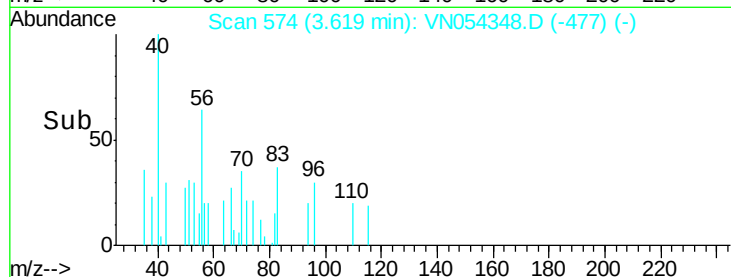
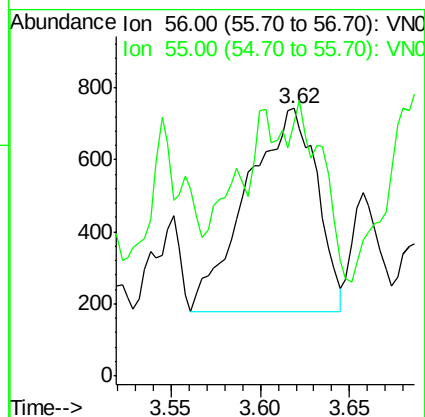
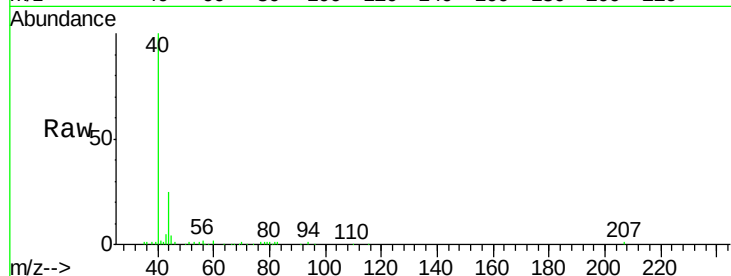
W-2

Tot Ion: 56 Resp: 1537

Ion Ratio Lower Upper

56 100

55 11.1 56.7 85.1#



#16

Acetone

Concen: 5.646 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.00 min

Lab File: VN054348.D

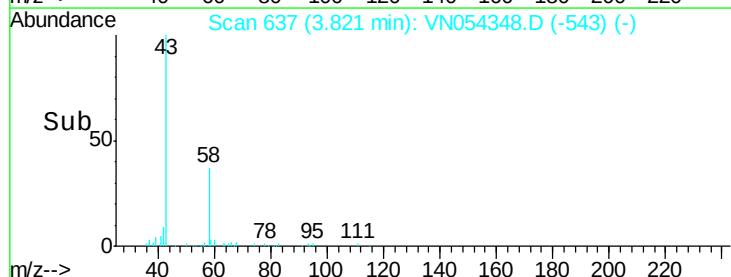
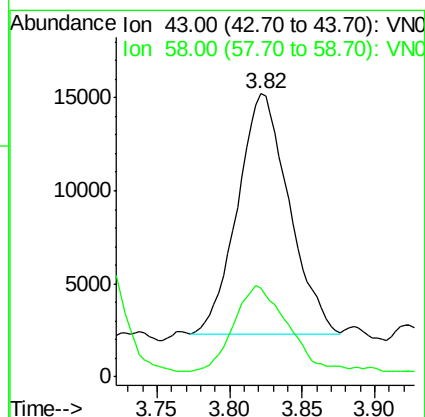
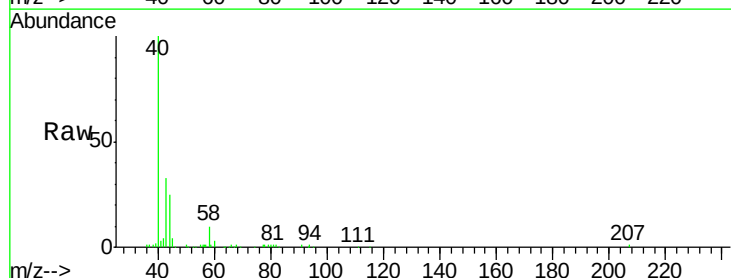
Acq: 16 Mar 2019 20:25

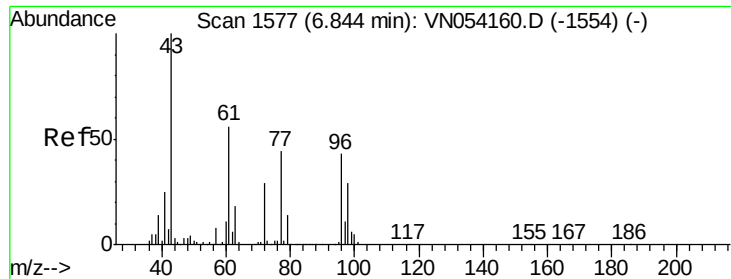
Tgt Ion: 43 Resp: 32123

Ion Ratio Lower Upper

43 100

58 34.6 29.9 44.9





#25

2-Butanone

Concen: 0.329 ug/l

RT: 6.87 min Scan# 1584

Delta R.T. 0.02 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

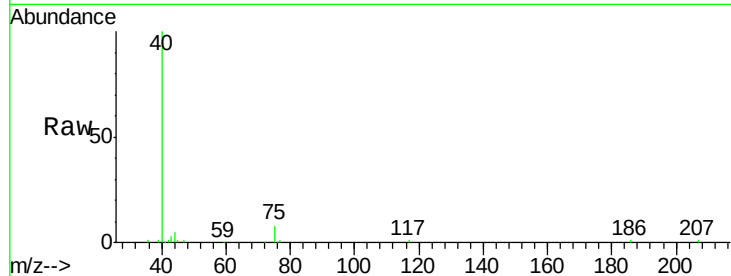
W-2

Tot Ion: 43 Resp: 2194

Ion Ratio Lower Upper

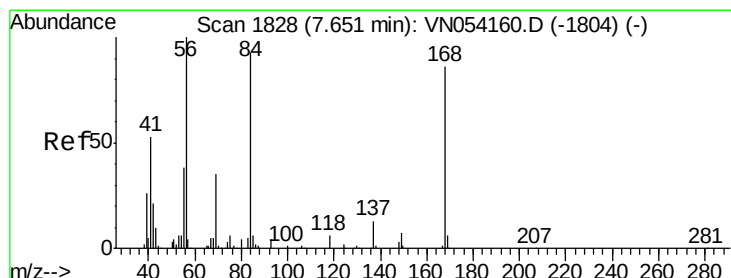
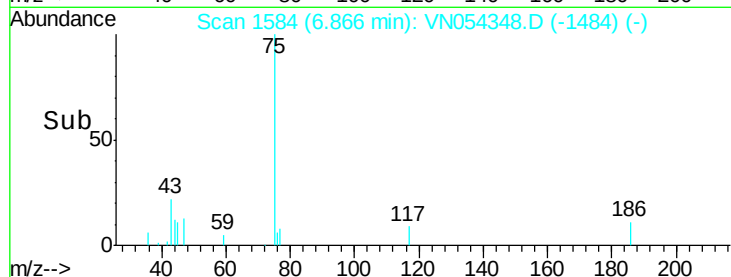
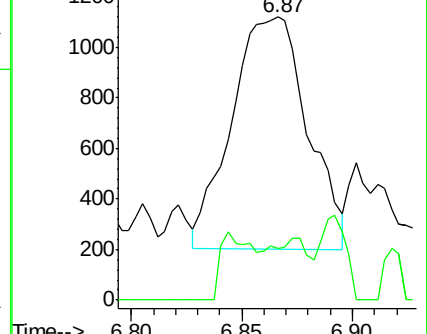
43 100

72 24.1 23.0 34.6



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

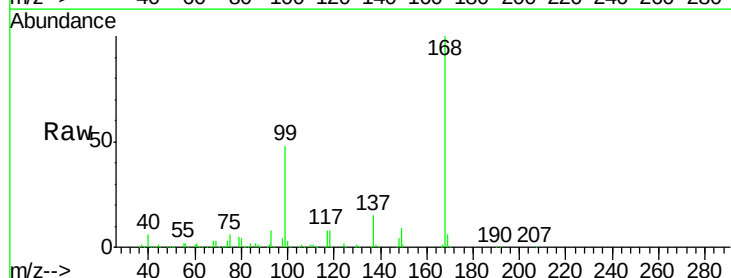
Tgt Ion: 56 Resp: 26612

Ion Ratio Lower Upper

56 100

69 189.1 27.8 41.6#

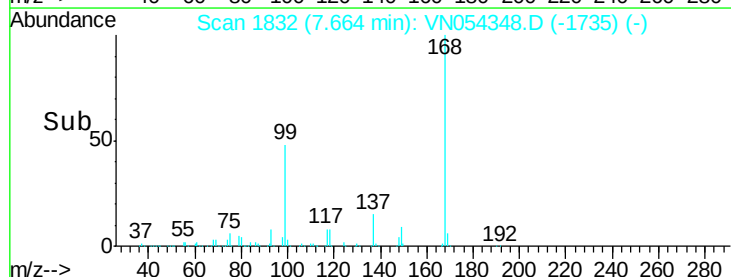
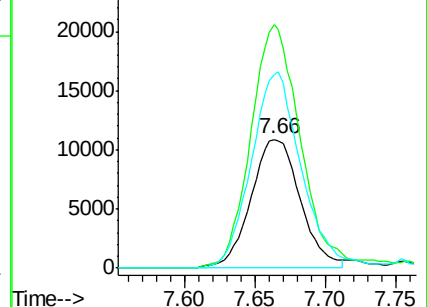
84 150.6 74.6 111.8#

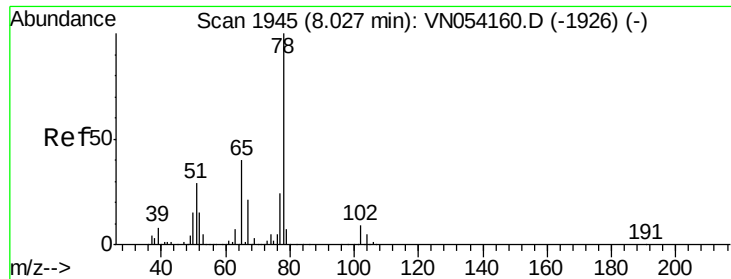


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

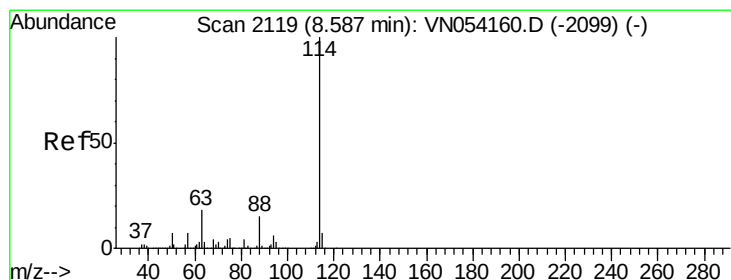
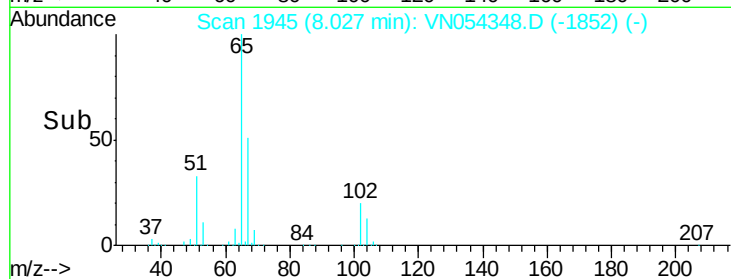
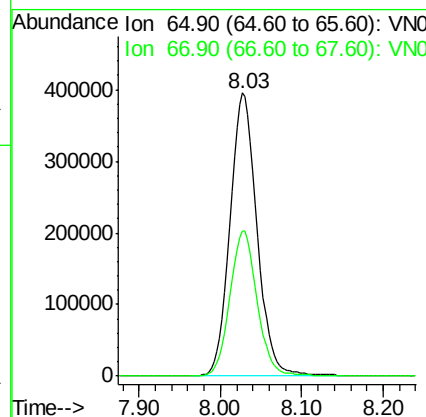
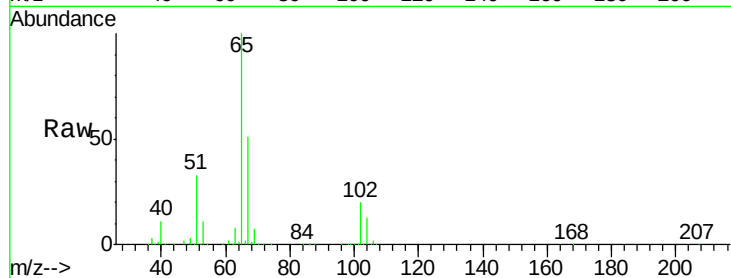




#33
 1,2-Dichloroethane-d4
 Concen: 46.508 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN054348.D
 Acq: 16 Mar 2019 20:25

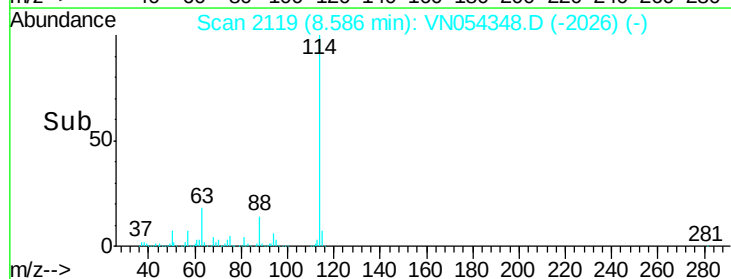
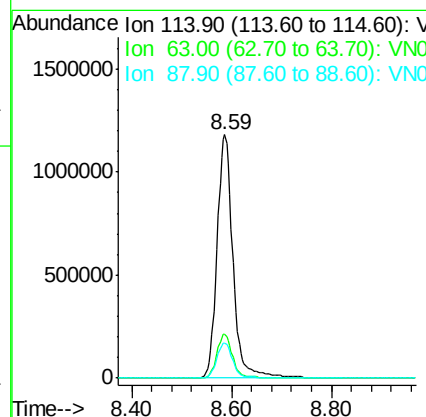
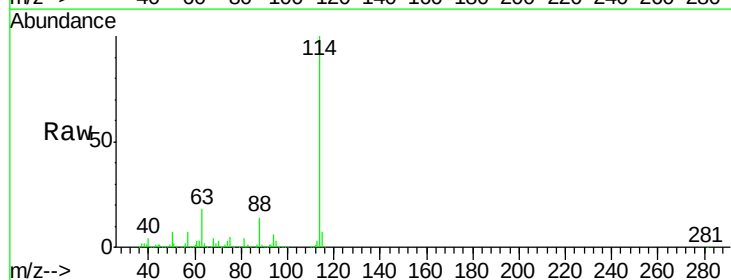
Instrument :
 MSVOA_N
 ClientSampled :
 W-2

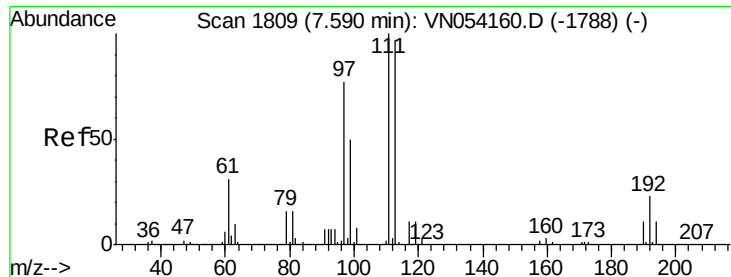
Tot Ion: 65 Resp: 924119
 Ion Ratio Lower Upper
 65 100
 67 51.7 0.0 104.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN054348.D
 Acq: 16 Mar 2019 20:25

Tgt Ion: 114 Resp: 2629533
 Ion Ratio Lower Upper
 114 100
 63 18.0 0.0 35.2
 88 14.4 0.0 30.2

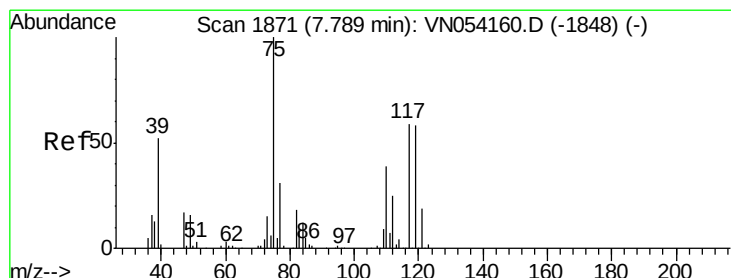
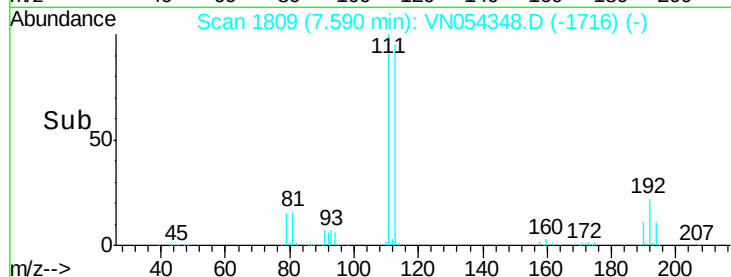
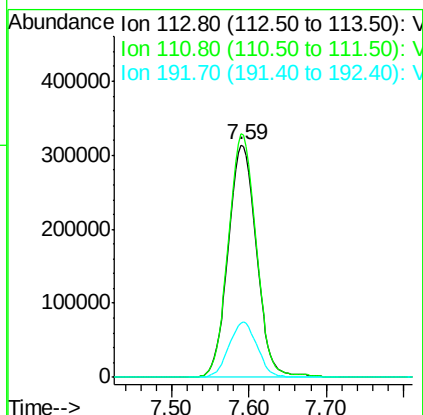
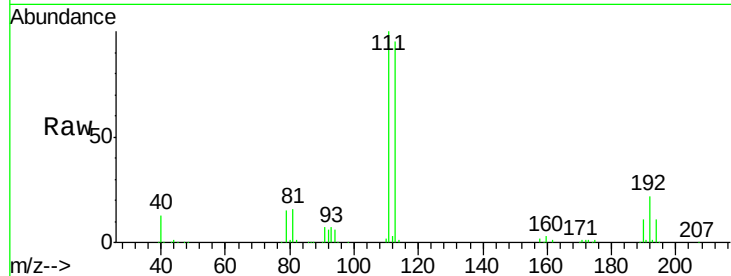




#35
 Dibromofluoromethane
 Concen: 46.935 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN054348.D
 Acq: 16 Mar 2019 20:25

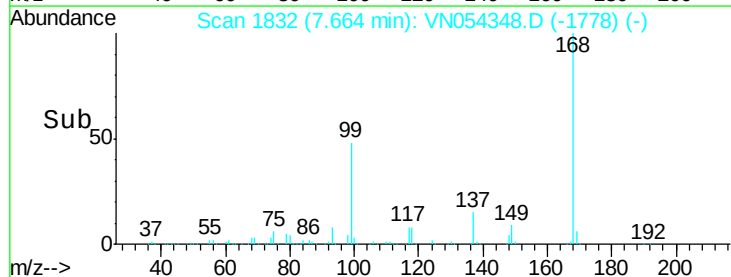
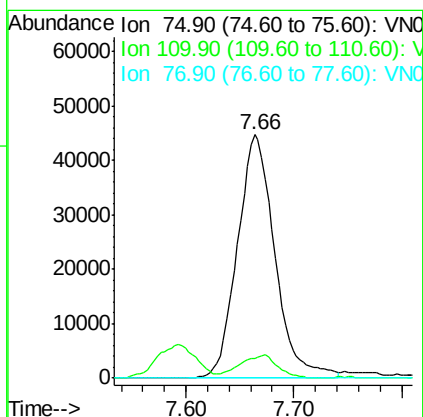
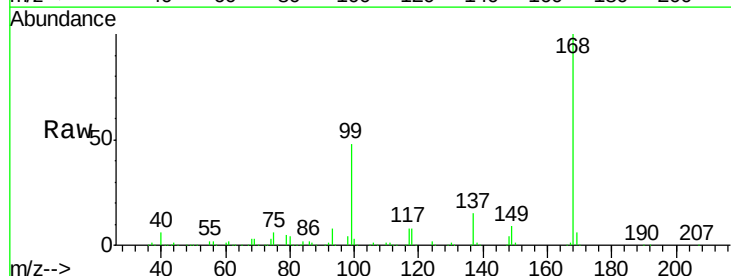
Instrument :
 MSVOA_N
 ClientSampled :
 W-2

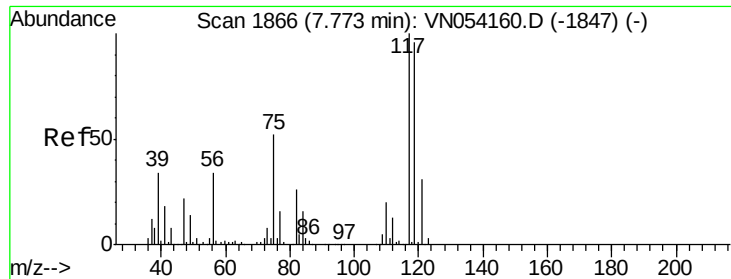
Tot Ion:113 Resp: 795984
 Ion Ratio Lower Upper
 113 100
 111 103.3 82.2 123.4
 192 23.6 19.2 28.8



#36
 1,1-Dichloropropene
 Concen: 4.464 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN054348.D
 Acq: 16 Mar 2019 20:25

Tgt Ion: 75 Resp: 108109
 Ion Ratio Lower Upper
 75 100
 110 9.7 19.1 57.5#
 77 0.0 25.0 37.4#





#38

Carbon Tetrachloride

Concen: 5.831 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

W-2

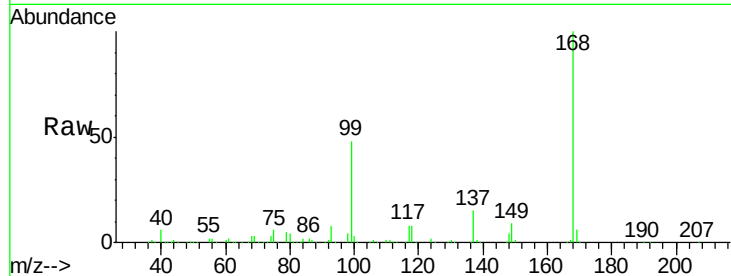
Tot Ion:117 Resp: 148073

Ion Ratio Lower Upper

117 100

119 4.4 76.3 114.5#

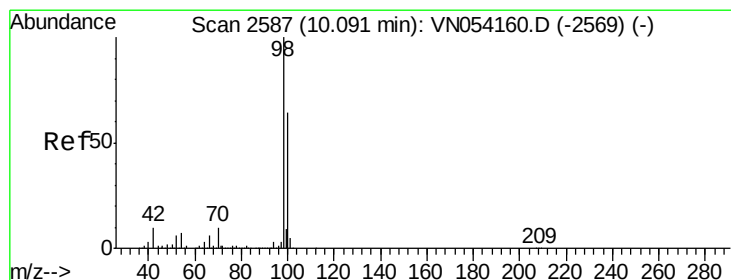
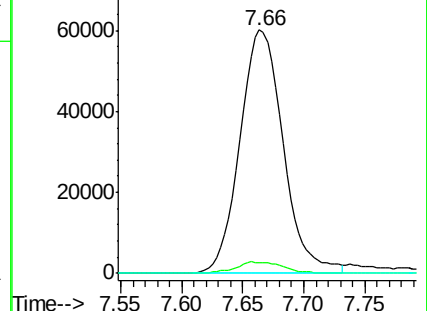
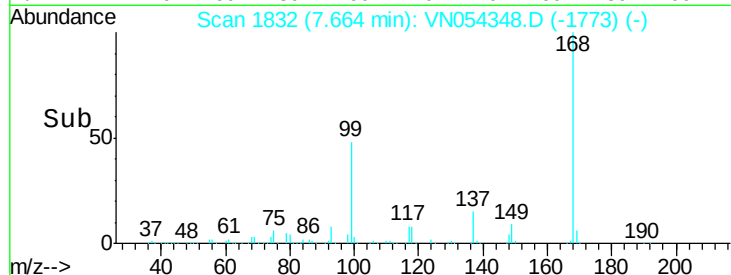
121 0.0 24.6 36.8#



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



#50

Toluene-d8

Concen: 48.268 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN054348.D

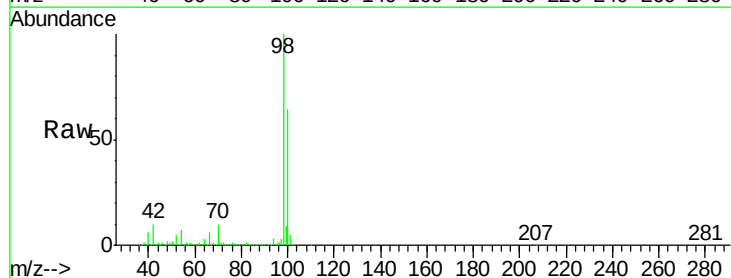
Acq: 16 Mar 2019 20:25

Tgt Ion: 98 Resp: 3023173

Ion Ratio Lower Upper

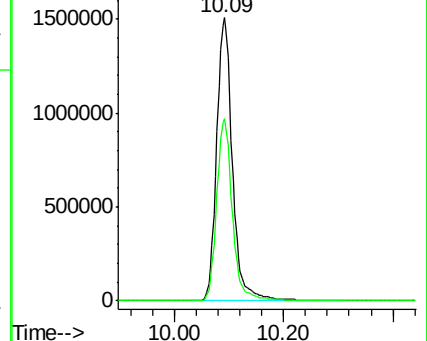
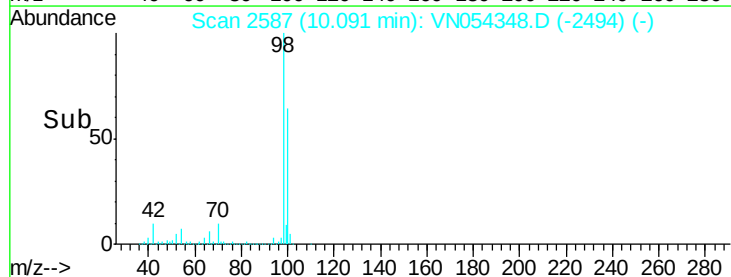
98 100

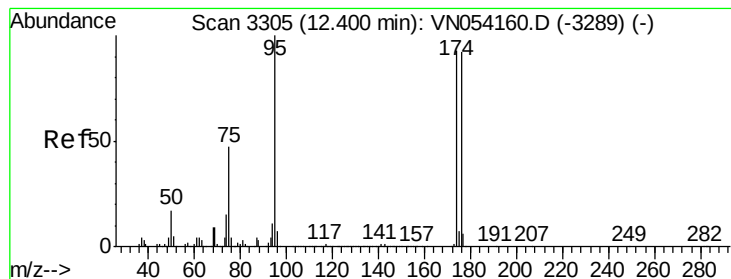
100 64.1 51.2 76.8



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#62

4-Bromofluorobenzene

Concen: 41.248 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

W-2

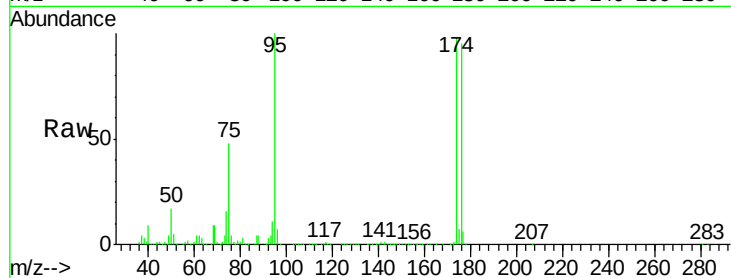
Tot Ion: 95 Resp: 903964

Ion Ratio Lower Upper

95 100

174 96.9 0.0 191.0

176 94.4 0.0 187.4

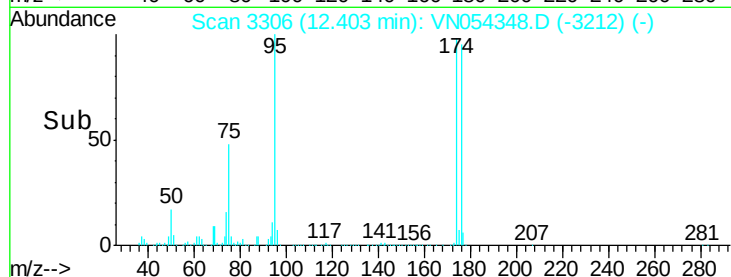


Abundance Ion 94.90 (94.60 to 95.60): VN054160.D (-3289) (-)

Ion 173.80 (173.50 to 174.50): VN054160.D (-3289) (-)

Ion 175.80 (175.50 to 176.50): VN054160.D (-3289) (-)

Time-->

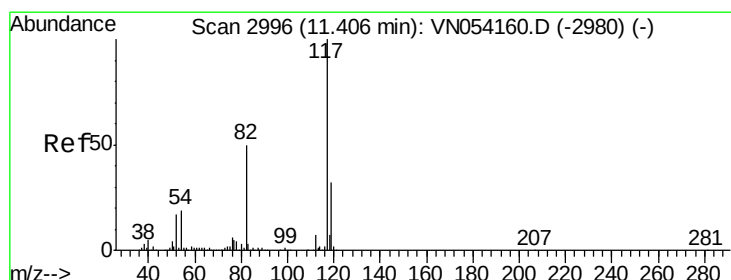


Abundance Ion 94.90 (94.60 to 95.60): VN054348.D (-3212) (-)

Ion 173.80 (173.50 to 174.50): VN054348.D (-3212) (-)

Ion 175.80 (175.50 to 176.50): VN054348.D (-3212) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

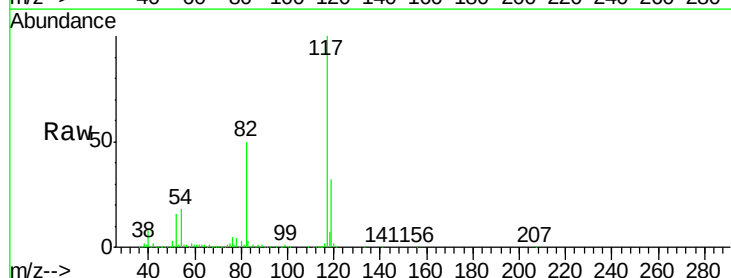
Tgt Ion: 117 Resp: 2211617

Ion Ratio Lower Upper

117 100

82 49.9 40.0 60.0

119 31.9 25.8 38.6

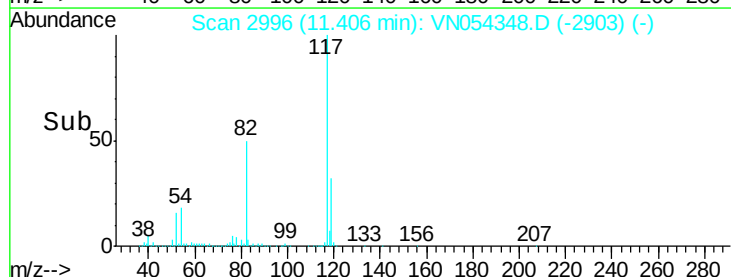


Abundance Ion 116.90 (116.60 to 117.60): VN054160.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN054160.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN054160.D (-2980) (-)

Time-->

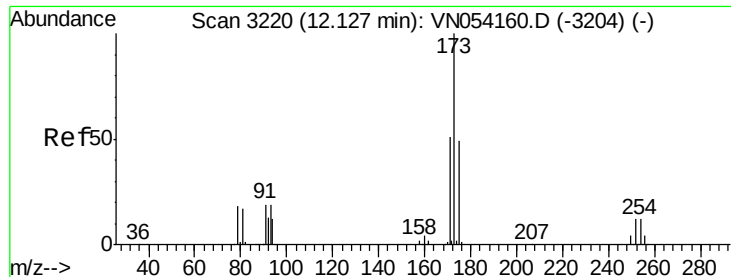


Abundance Ion 116.90 (116.60 to 117.60): VN054348.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN054348.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN054348.D (-2903) (-)

Time-->



#71

Bromoform

Concen: 2.724 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

W-2

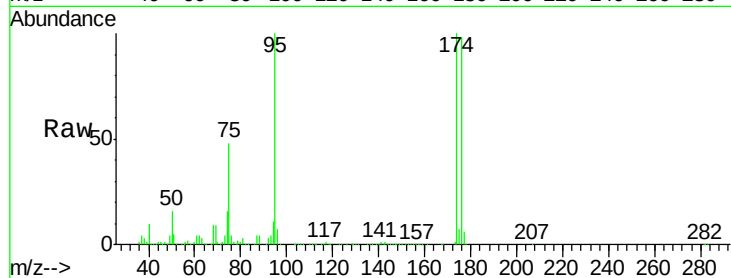
Tot Ion:173 Resp: 5272

Ion Ratio Lower Upper

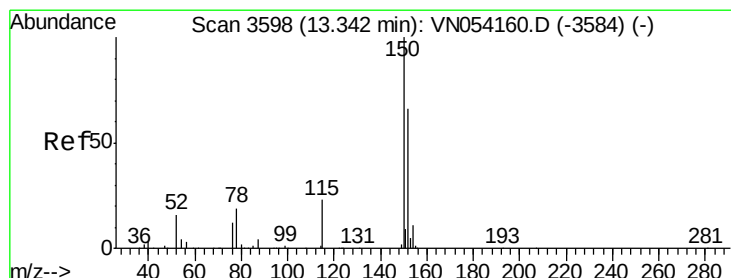
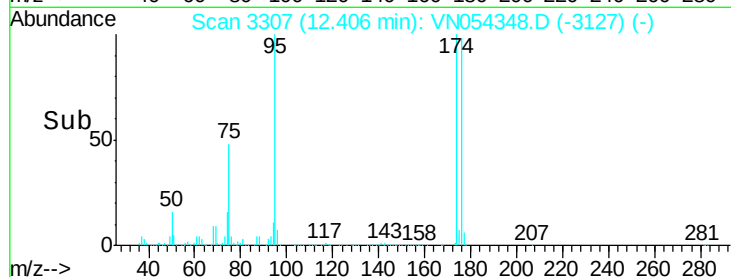
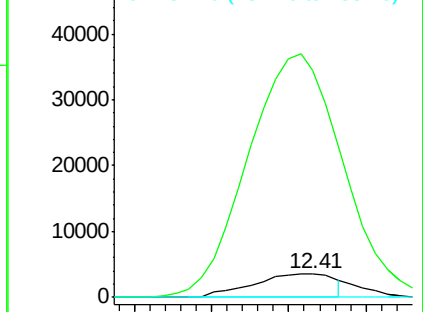
173 100

175 1036.1 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: VN054348.D

Acq: 16 Mar 2019 20:25

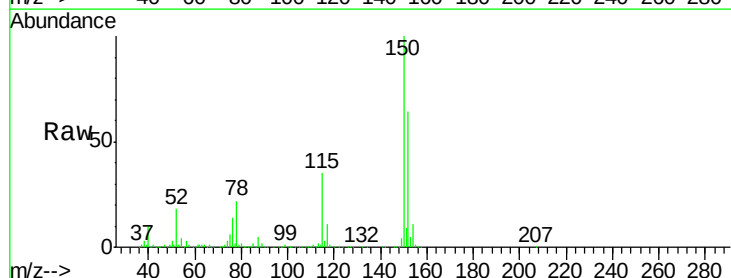
Tgt Ion:152 Resp: 790762

Ion Ratio Lower Upper

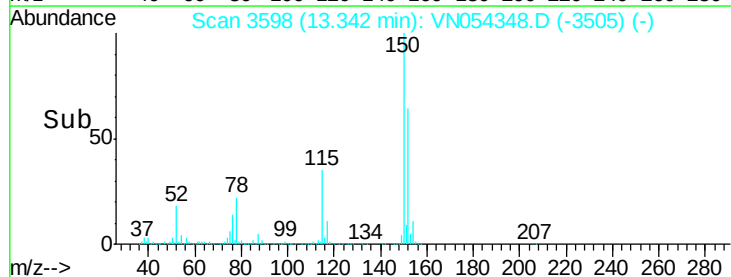
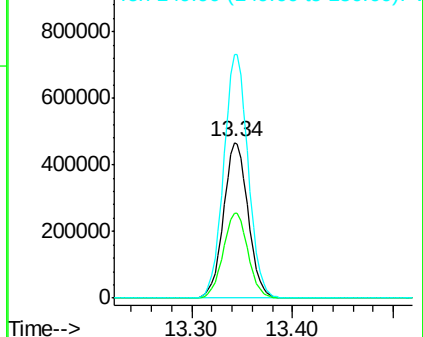
152 100

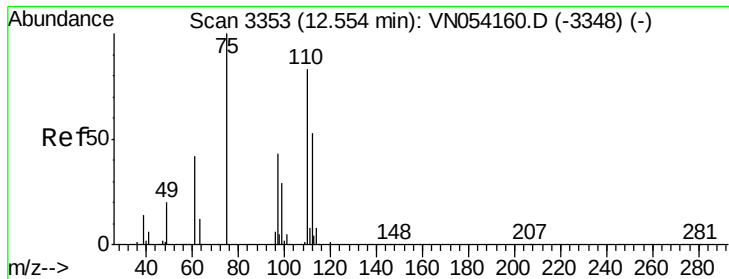
115 55.1 27.2 81.6

150 156.3 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: 37.104 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampled :

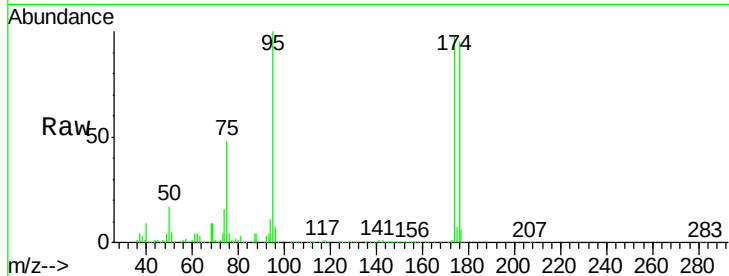
W-2

Tot Ion: 75 Resp: 431461

Ion Ratio Lower Upper

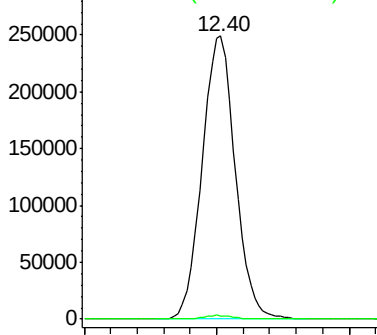
75 100

77 1.2 0.0 0.0#

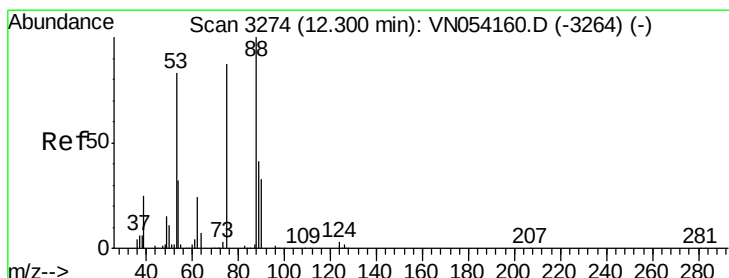
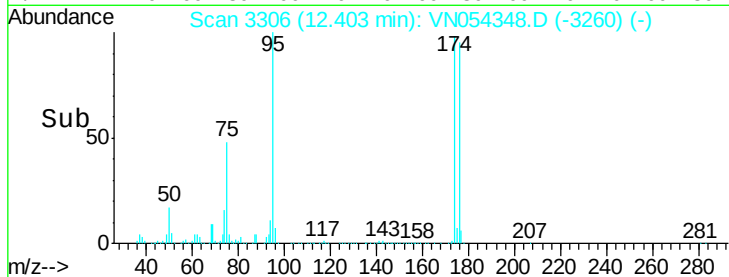


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO



Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 126.837 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

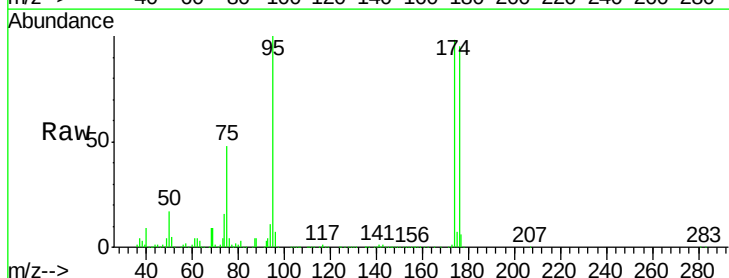
Tgt Ion: 75 Resp: 431461

Ion Ratio Lower Upper

75 100

53 0.0 76.2 114.2#

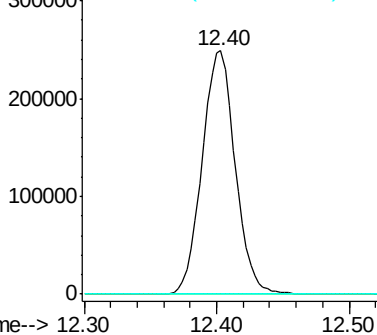
89 0.0 39.2 58.8#



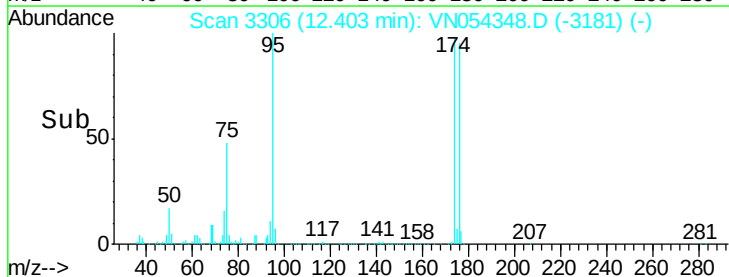
Abundance Ion 74.90 (74.60 to 75.60): VNO

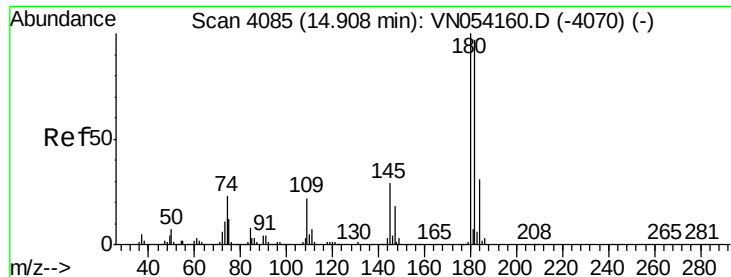
Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO



Time--> 12.30 12.40 12.50





#93

1,2,4-Trichlorobenzene

Concen: 2.527 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

Instrument :

MSVOA_N

ClientSampleId :

W-2

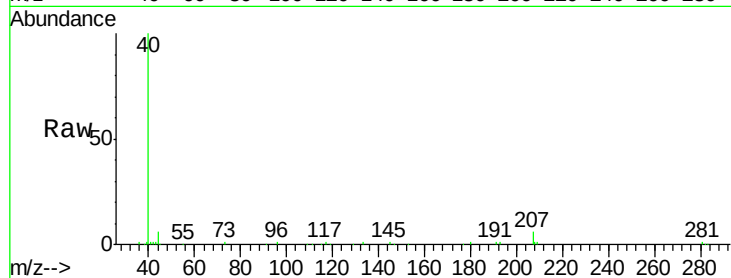
Tot Ion:180 Resp: 177

Ion Ratio Lower Upper

180 100

182 16.9 48.0 144.2#

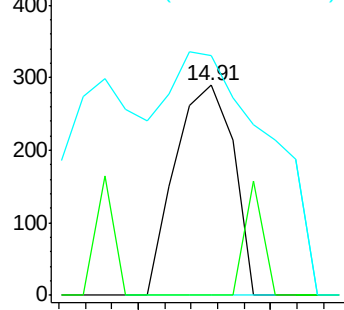
145 201.7 14.2 42.8#



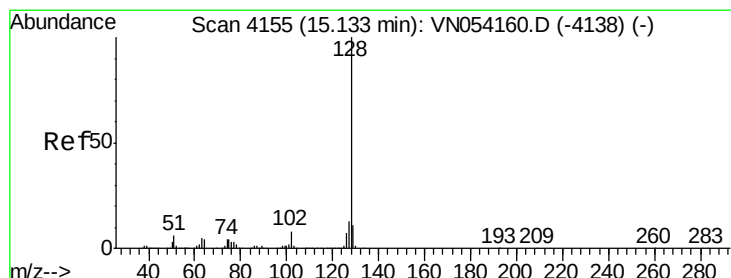
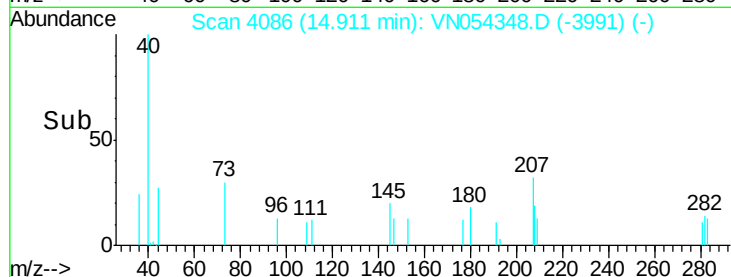
Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V



Time-->



#95

Naphthalene

Concen: 3.591 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054348.D

Acq: 16 Mar 2019 20:25

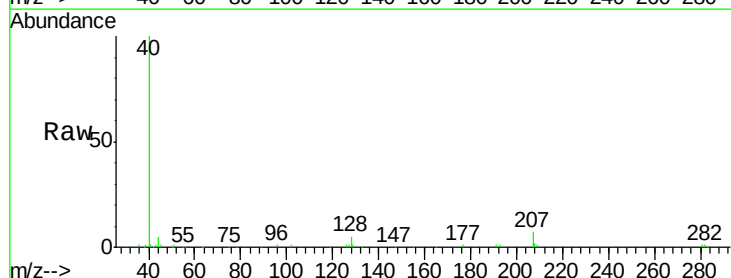
Tgt Ion:128 Resp: 4534

Ion Ratio Lower Upper

128 100

127 6.9 10.1 15.1#

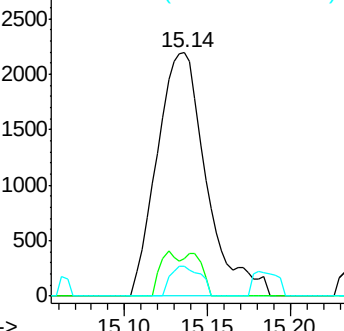
129 7.4 8.7 13.1#



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



Time-->

