

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN040519\
 Data File : VN054963.D
 Acq On : 5 Apr 2019 10:01
 Operator : JC/SP
 Sample : VN0405WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Apr 05 23:29:06 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
 Quant Title : SW846 8260
 QLast Update : Fri Apr 05 02:23:47 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	536664	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	875023	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	748476	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	258681	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	342141	48.35	ug/l	0.00
Spiked Amount			Recovery	=	96.70%	
35) Dibromofluoromethane	7.59	113	279189	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.09	98	1056875	48.90	ug/l	0.00
Spiked Amount			Recovery	=	97.80%	
62) 4-Bromofluorobenzene	12.40	95	323090	44.79	ug/l	0.00
Spiked Amount			Recovery	=	89.58%	

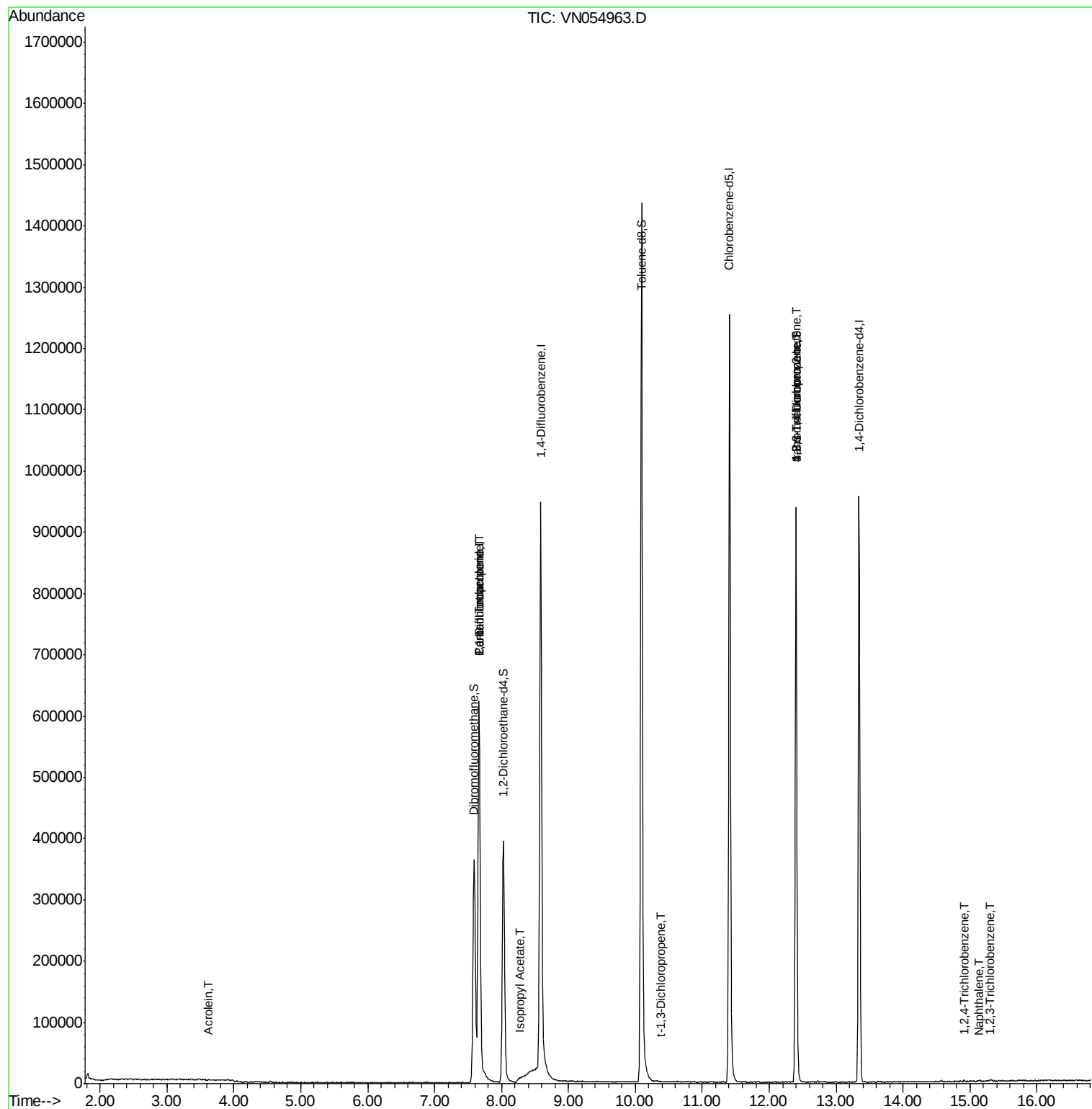
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	61	4.271	ug/l #	1
16) Acetone	3.84	43	255	Below Cal	#	48
18) Methyl Acetate	4.33	43	1793	Below Cal	#	74
31) Cyclohexane	7.66	56	11562	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	41160	4.747	ug/l #	50
38) Carbon Tetrachloride	7.66	117	48844	5.834	ug/l #	17
43) Isopropyl Acetate	8.28	43	8384	0.836	ug/l #	64
53) t-1,3-Dichloropropene	10.38	75	33	2.031	ug/l	97
75) 1,1,2,2-Tetrachloroethane	12.41	83	190	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	169225	41.906	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	169225	151.111	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.90	180	754	2.612	ug/l #	18
95) Naphthalene	15.13	128	1099	2.974	ug/l #	76
96) 1,2,3-Trichlorobenzene	15.31	180	902	0.227	ug/l	94

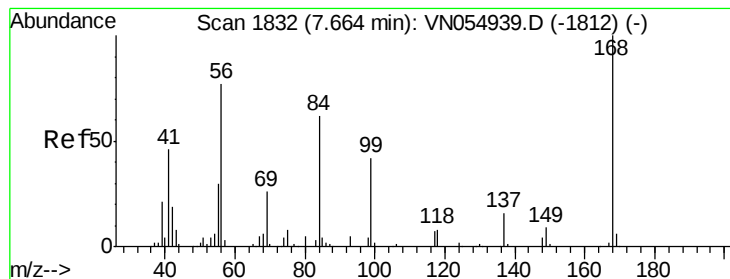
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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MSVOA_N
ClientSampleId :

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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N040419W.M
Quant Title : SW846 8260
QLast Update : Fri Apr 05 02:23:47 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: VN054963.D

Acq: 5 Apr 2019 10:01

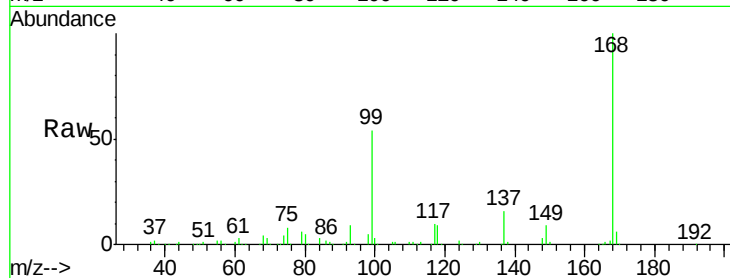
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 536664

Ion Ratio Lower Upper

168 100

99 53.6 44.1 66.1



Abundance Ion 167.90 (167.60 to 168.60): VN054963.D (-1739) (-)

Ion 98.90 (98.60 to 99.60): VN054963.D (-1739) (-)

7.67

250000

200000

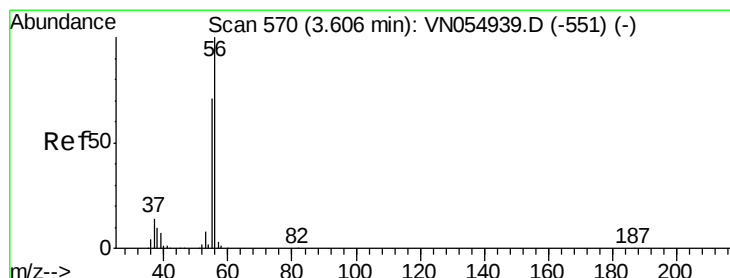
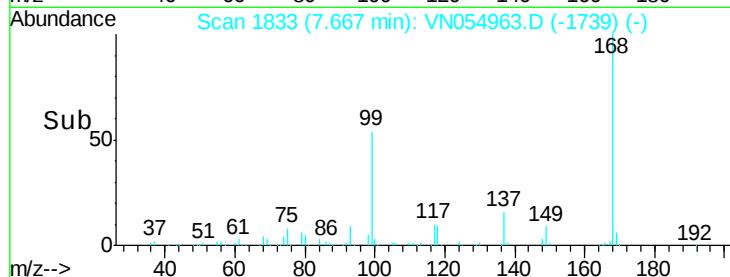
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 4.271 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.00 min

Lab File: VN054963.D

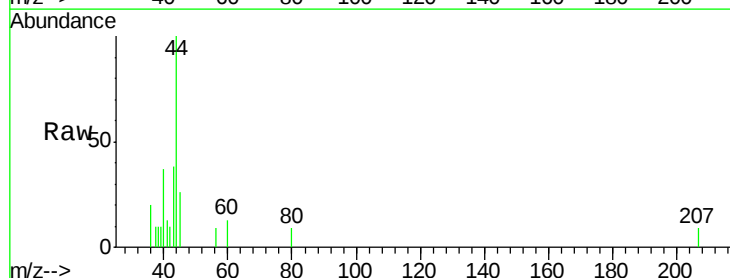
Acq: 5 Apr 2019 10:01

Tgt Ion: 56 Resp: 61

Ion Ratio Lower Upper

56 100

55 308.2 58.6 87.8#



Abundance Ion 56.00 (55.70 to 56.70): VN054963.D (-477) (-)

Ion 55.00 (54.70 to 55.70): VN054963.D (-477) (-)

3.60

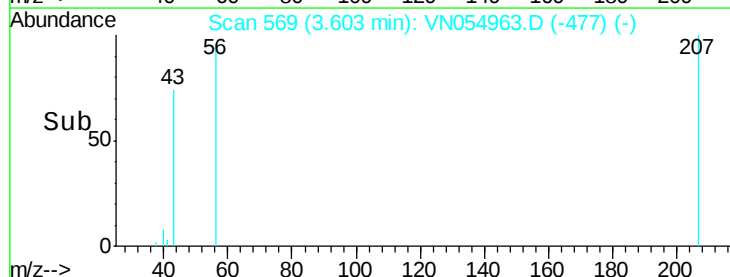
300

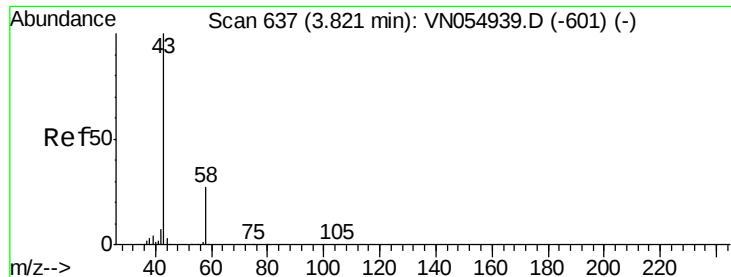
200

100

0

Time-->





#16

Acetone

Concen: Below Cal

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

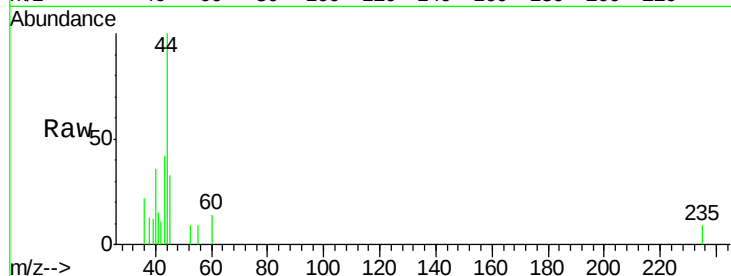
ClientSampled :

Tot Ion: 43 Resp: 255

Ion Ratio Lower Upper

43 100

58 0.0 21.7 32.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.84

800

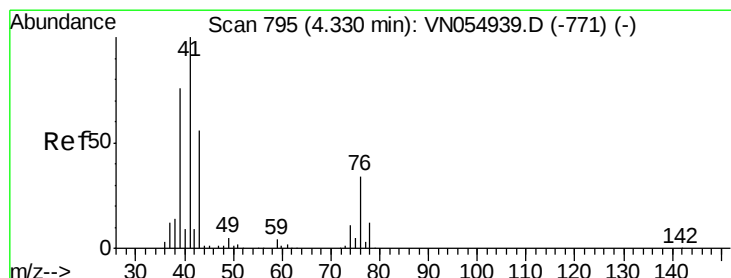
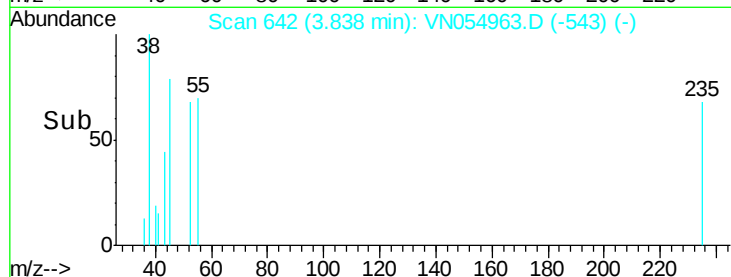
600

400

200

0

Time-->



#18

Methyl Acetate

Concen: Below Cal

RT: 4.33 min Scan# 795

Delta R.T. 0.00 min

Lab File: VN054963.D

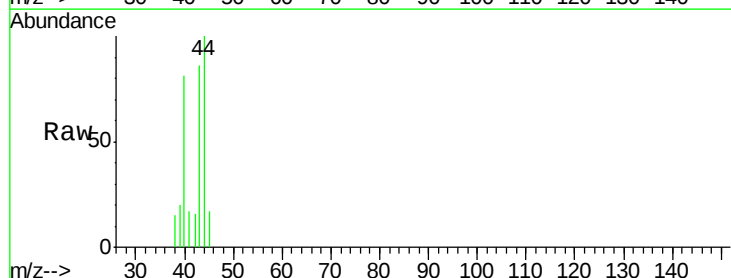
Acq: 5 Apr 2019 10:01

Tgt Ion: 43 Resp: 1793

Ion Ratio Lower Upper

43 100

74 8.5 16.4 24.6#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

4.33

1000

800

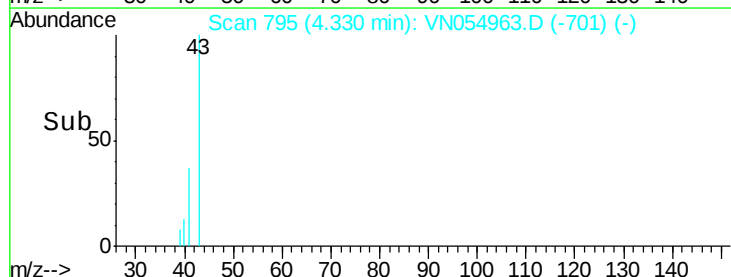
600

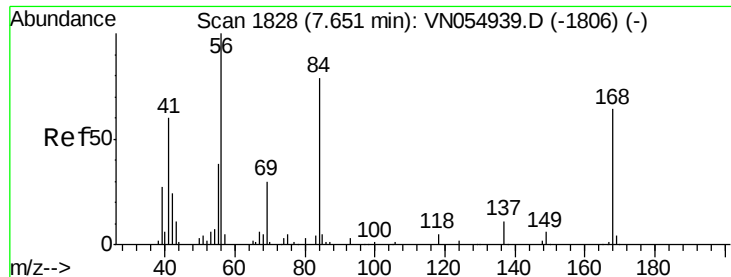
400

200

0

Time-->





#31

Cyclohexane

Concen: Below Cal

RT: 7.66 min Scan# 1831

Delta R.T. 0.01 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

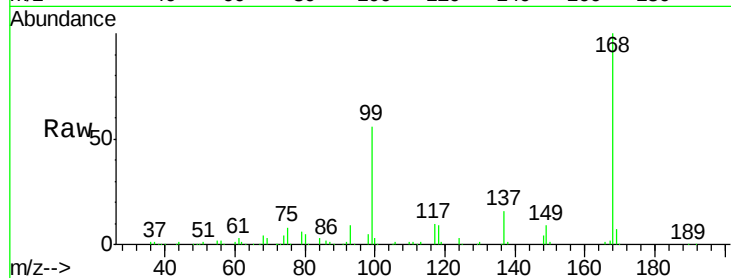
Tot Ion: 56 Resp: 11562

Ion Ratio Lower Upper

56 100

69 153.0 23.8 35.6#

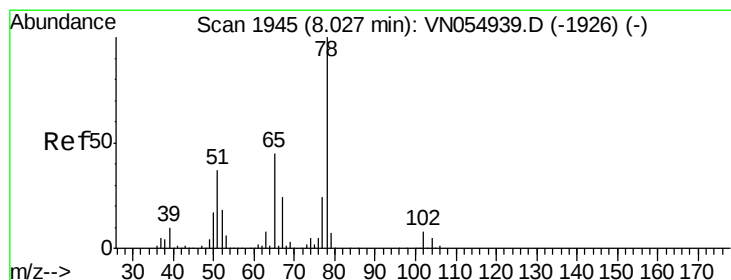
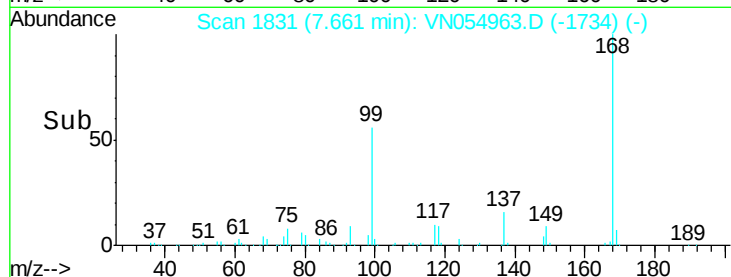
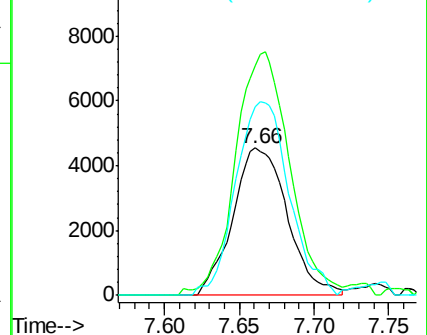
84 128.5 61.8 92.8#



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: 48.354 ug/l

RT: 8.03 min Scan# 1945

Delta R.T. 0.00 min

Lab File: VN054963.D

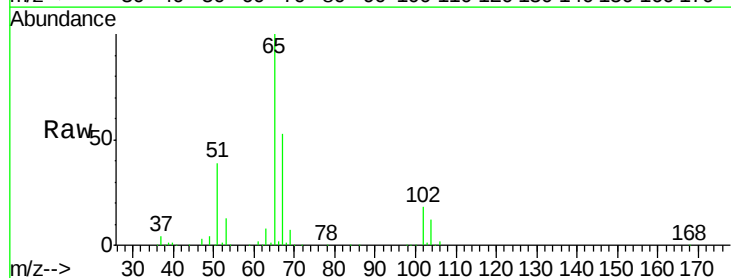
Acq: 5 Apr 2019 10:01

Tgt Ion: 65 Resp: 342141

Ion Ratio Lower Upper

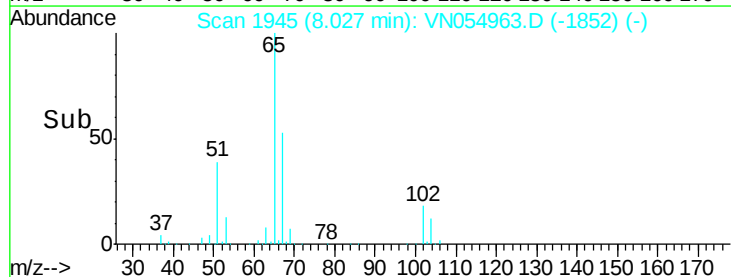
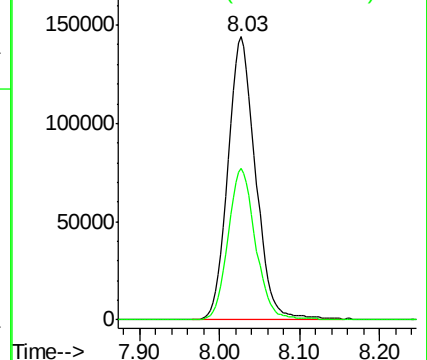
65 100

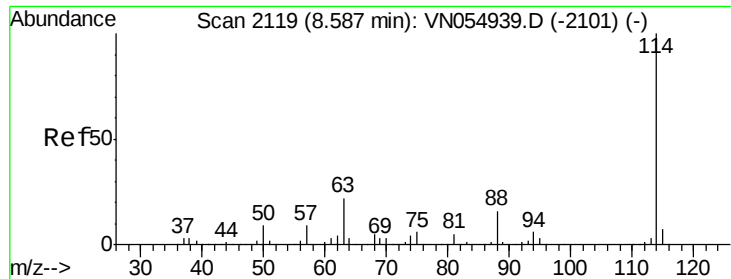
67 52.9 0.0 105.6



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

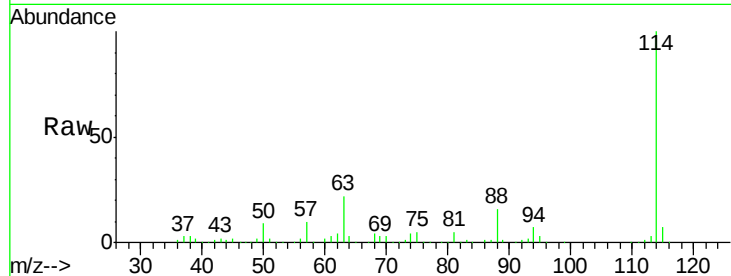




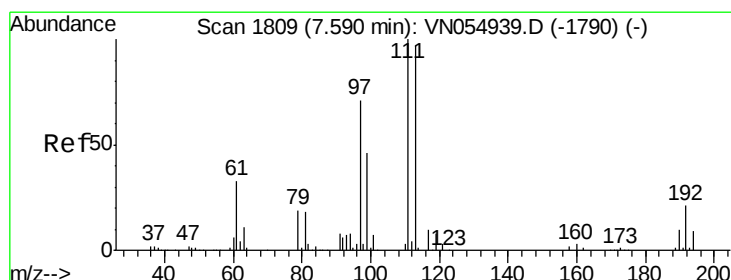
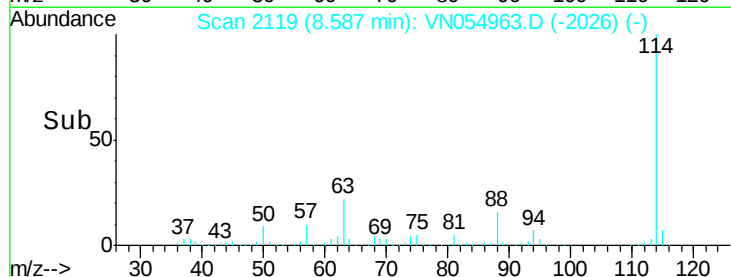
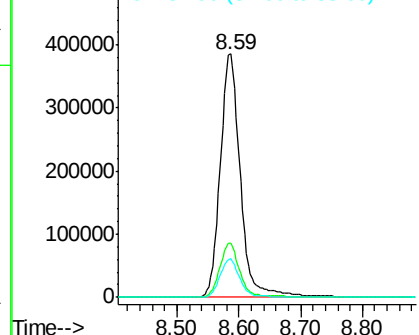
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054963.D
 Acq: 5 Apr 2019 10:01

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:114 Resp: 875023
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 44.6
 88 15.7 0.0 32.0

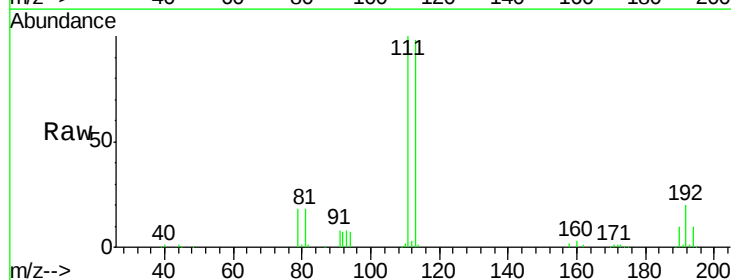


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

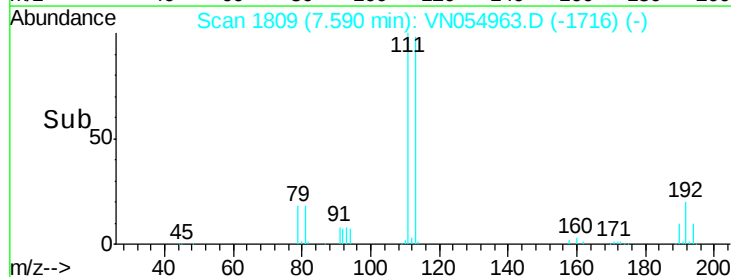
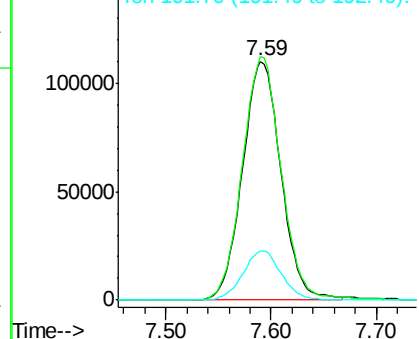


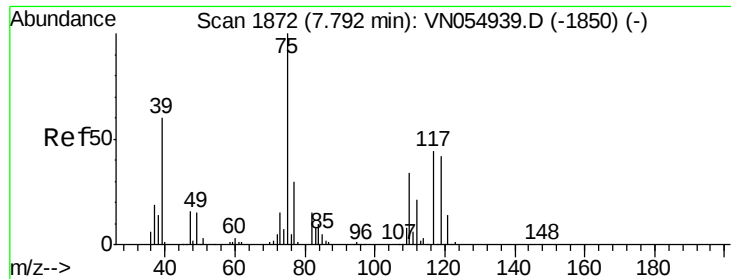
#35
 Dibromofluoromethane
 Concen: 49.015 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. 0.00 min
 Lab File: VN054963.D
 Acq: 5 Apr 2019 10:01

Tgt Ion:113 Resp: 279189
 Ion Ratio Lower Upper
 113 100
 111 103.3 81.0 121.4
 192 20.8 16.5 24.7



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: 4.747 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :
MSVOA_N
ClientSampled :

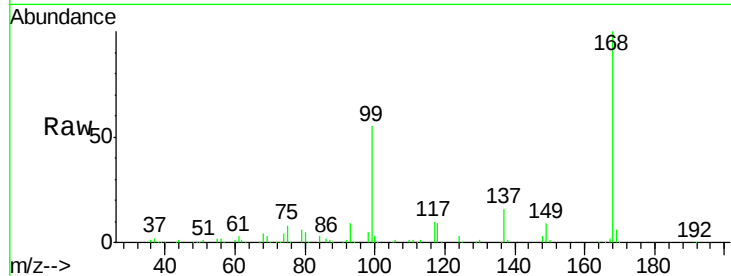
Tot Ion: 75 Resp: 41160

Ion Ratio Lower Upper

75 100

110 9.2 17.0 50.9#

77 0.0 25.3 37.9#

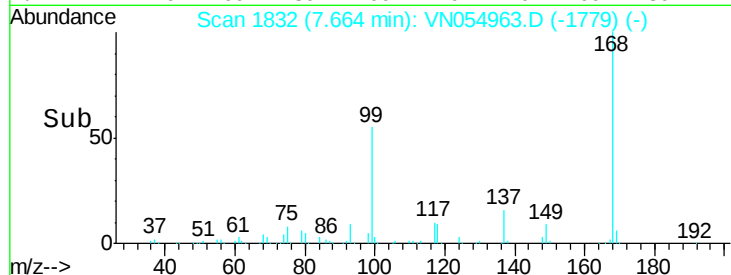


Abundance Ion 74.90 (74.60 to 75.60): VN054963.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN054963.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN054963.D (-1779) (-)

Time-->

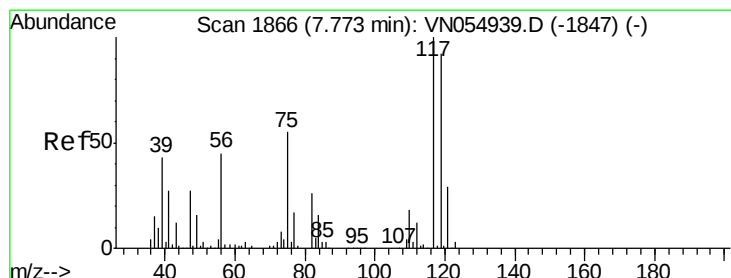


Abundance Ion 74.90 (74.60 to 75.60): VN054963.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN054963.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN054963.D (-1779) (-)

Time-->



#38

Carbon Tetrachloride

Concen: 5.834 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

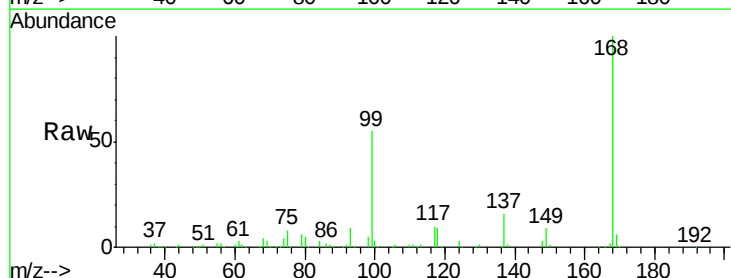
Tgt Ion: 117 Resp: 48844

Ion Ratio Lower Upper

117 100

119 4.8 73.6 110.4#

121 0.0 23.4 35.0#

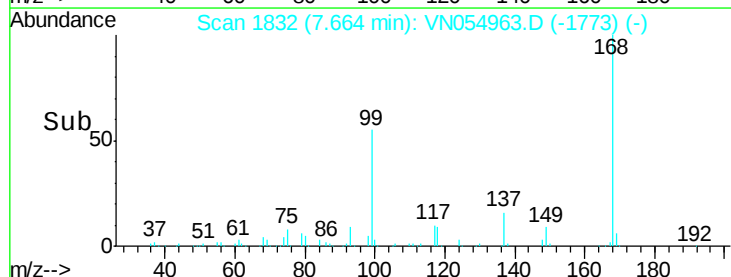


Abundance Ion 116.80 (116.50 to 117.50): VN054963.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054963.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054963.D (-1773) (-)

Time-->

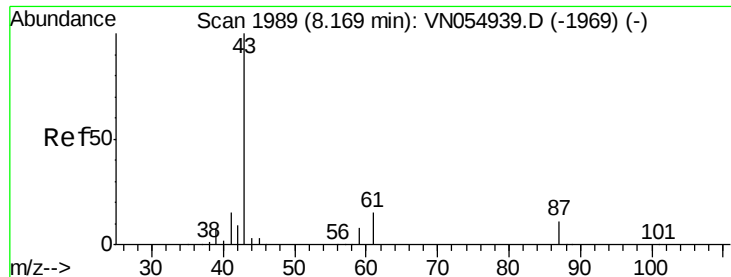


Abundance Ion 116.80 (116.50 to 117.50): VN054963.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN054963.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN054963.D (-1773) (-)

Time-->



#43

Isopropyl Acetate

Concen: 0.836 ug/l

RT: 8.28 min Scan# 2024

Delta R.T. 0.11 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

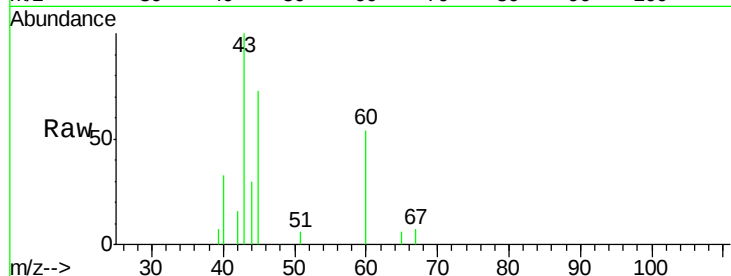
Tot Ion: 43 Resp: 8384

Ion Ratio Lower Upper

43 100

61 0.0 14.4 21.6#

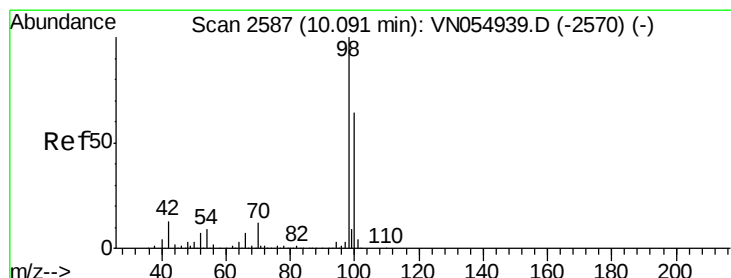
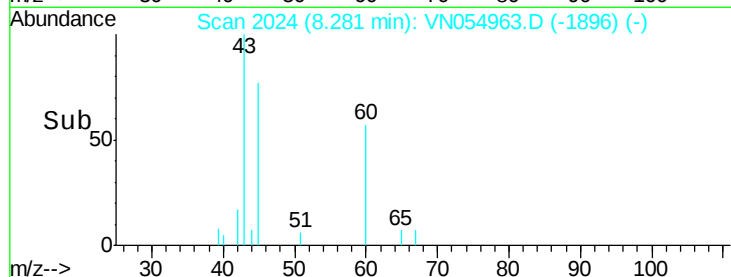
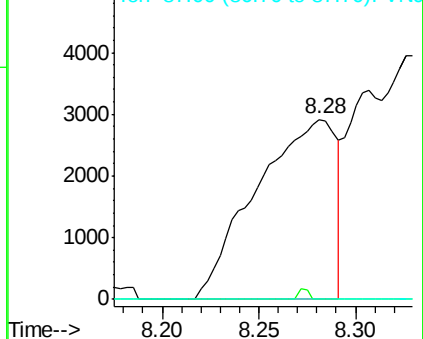
87 0.0 9.0 13.4#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.900 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN054963.D

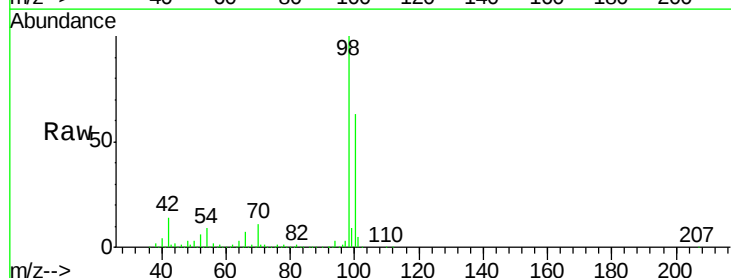
Acq: 5 Apr 2019 10:01

Tgt Ion: 98 Resp: 1056875

Ion Ratio Lower Upper

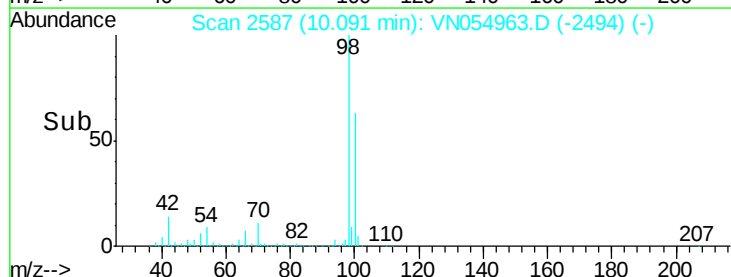
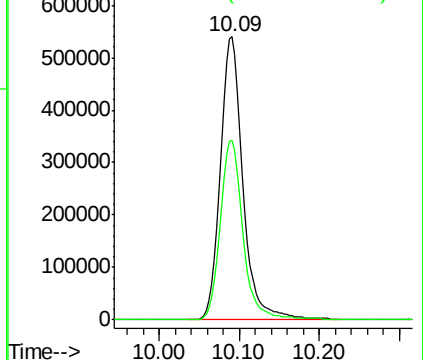
98 100

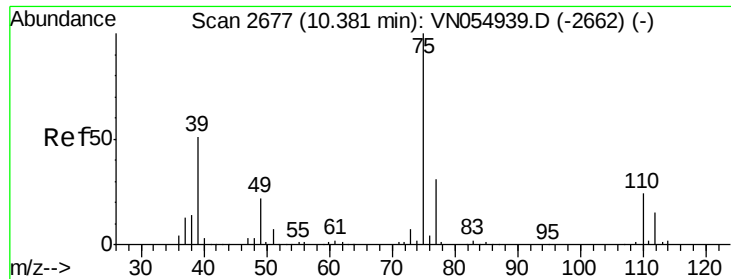
100 64.0 51.5 77.3



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: 2.031 ug/l

RT: 10.38 min Scan# 2676

Delta R.T. -0.00 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

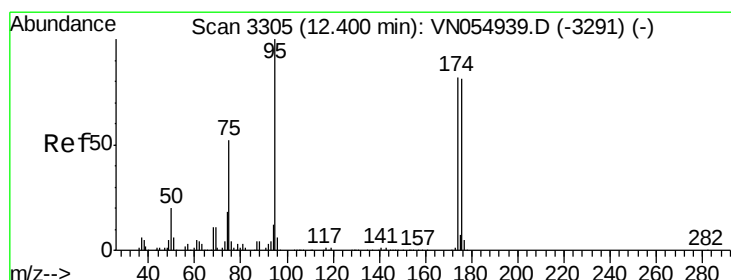
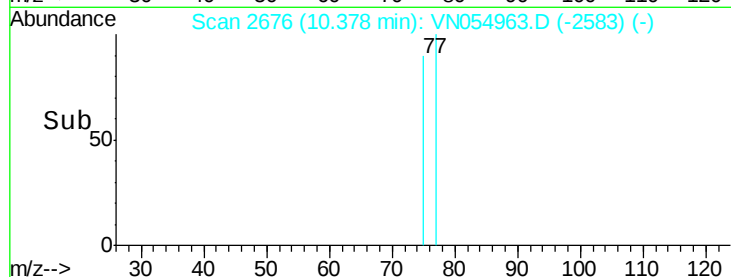
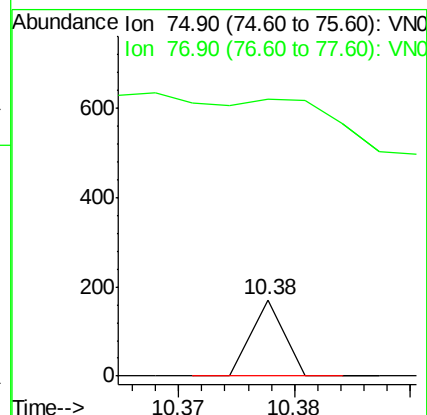
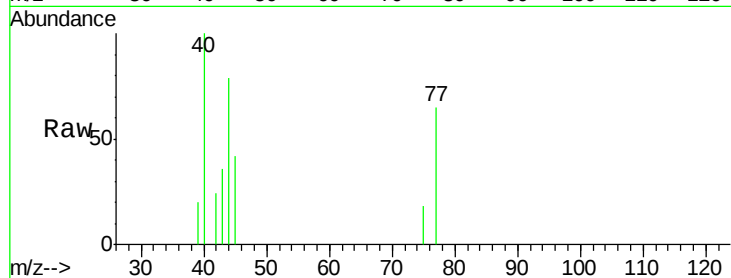
ClientSampleId :

Tot Ion: 75 Resp: 33

Ion Ratio Lower Upper

75 100

77 32.2 24.6 36.8



#62

4-Bromofluorobenzene

Concen: 44.794 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

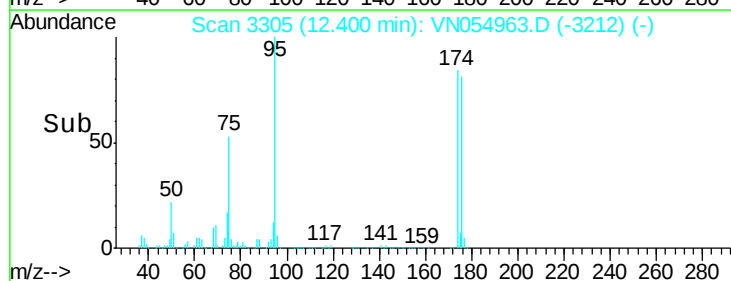
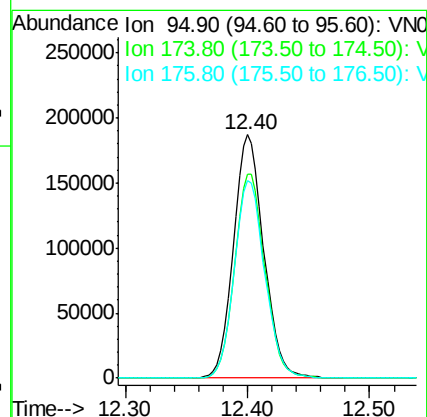
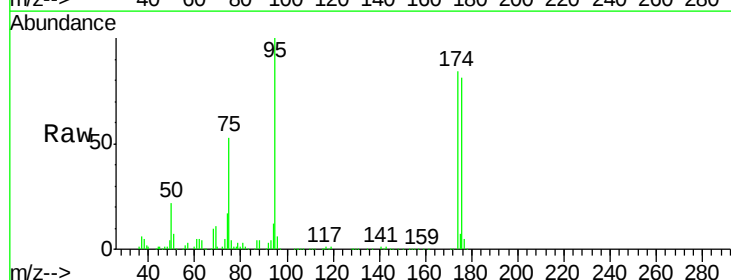
Tgt Ion: 95 Resp: 323090

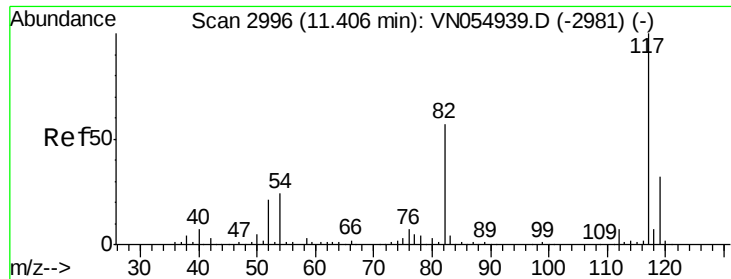
Ion Ratio Lower Upper

95 100

174 84.3 0.0 166.2

176 81.7 0.0 163.2

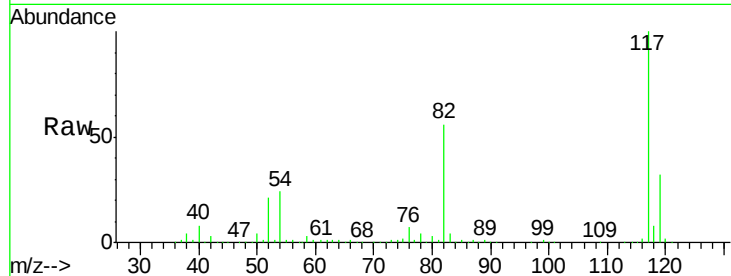




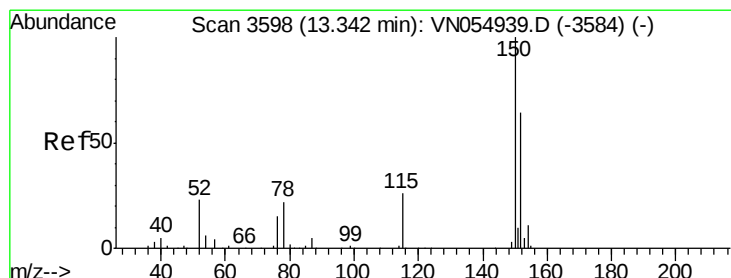
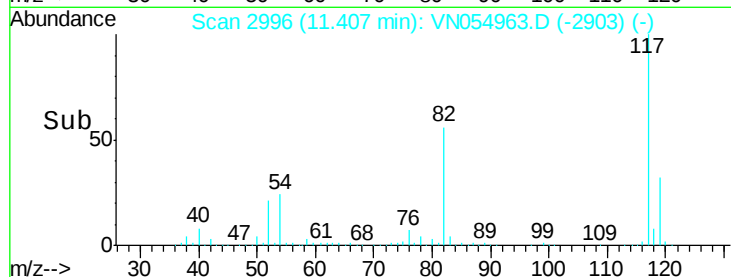
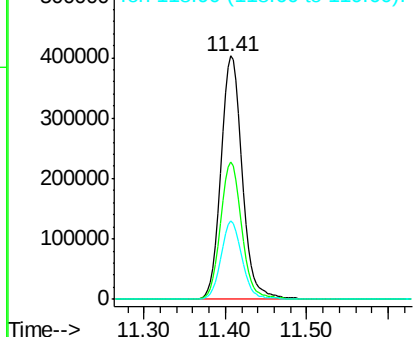
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN054963.D
Acq: 5 Apr 2019 10:01

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 748476
Ion Ratio Lower Upper
117 100
82 56.4 45.3 67.9
119 32.3 25.8 38.6

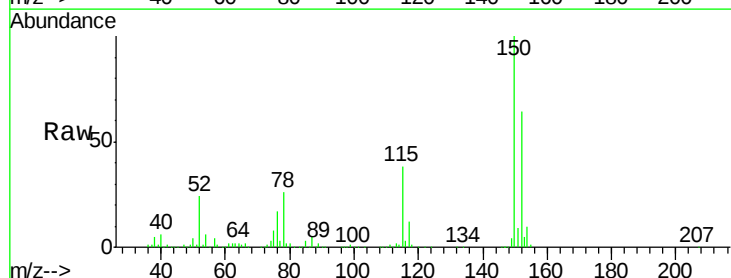


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

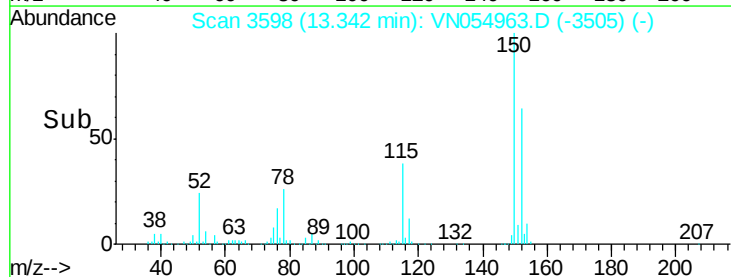
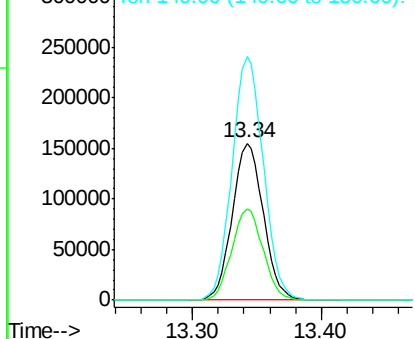


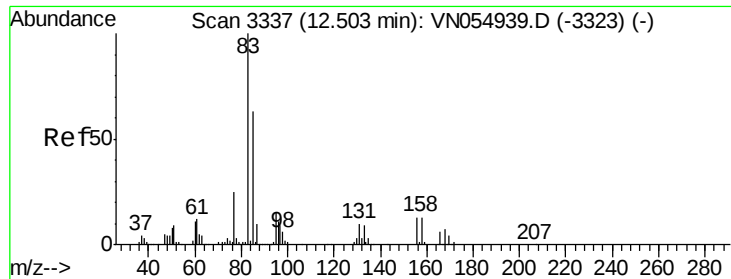
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN054963.D
Acq: 5 Apr 2019 10:01

Tgt Ion:152 Resp: 258681
Ion Ratio Lower Upper
152 100
115 58.7 28.9 86.8
150 156.8 0.0 345.4



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





#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.41 min Scan# 3307

Delta R.T. -0.10 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

ClientSampleId :

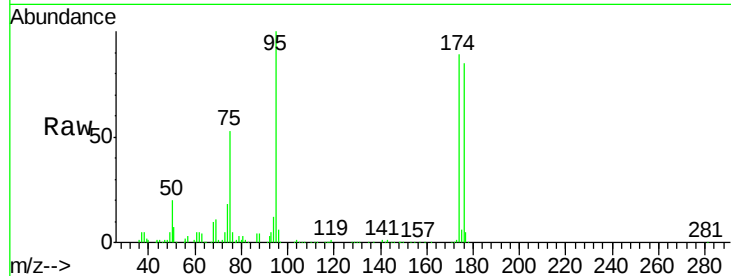
Tot Ion: 83 Resp: 190

Ion Ratio Lower Upper

83 100

131 113.7 5.0 15.0#

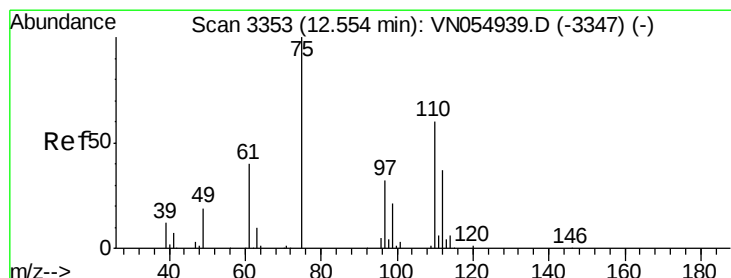
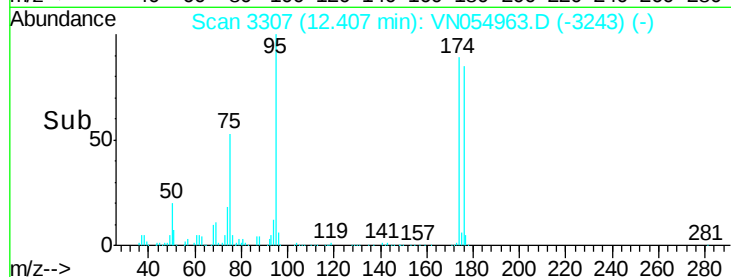
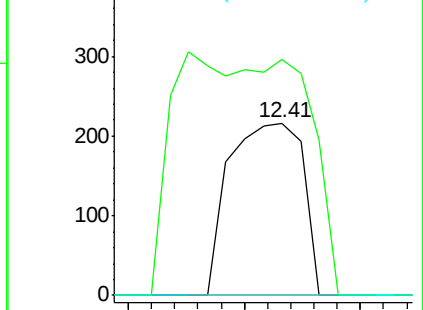
85 0.0 31.4 94.0#



Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): VNO

Ion 84.90 (84.60 to 85.60): VNO



#76

1,2,3-Trichloropropane

Concen: 41.906 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054963.D

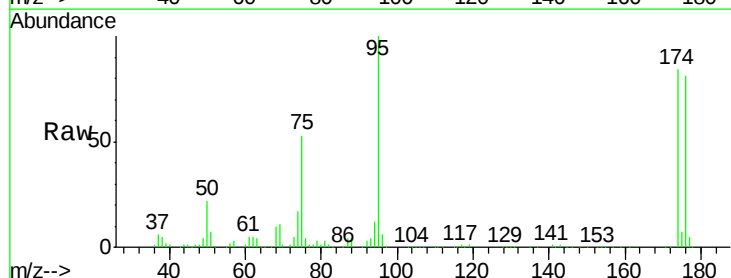
Acq: 5 Apr 2019 10:01

Tgt Ion: 75 Resp: 169225

Ion Ratio Lower Upper

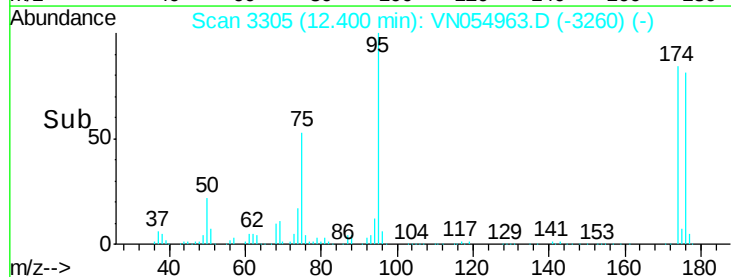
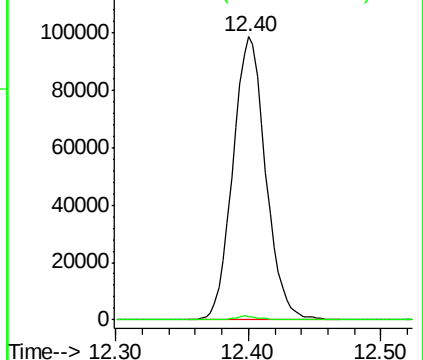
75 100

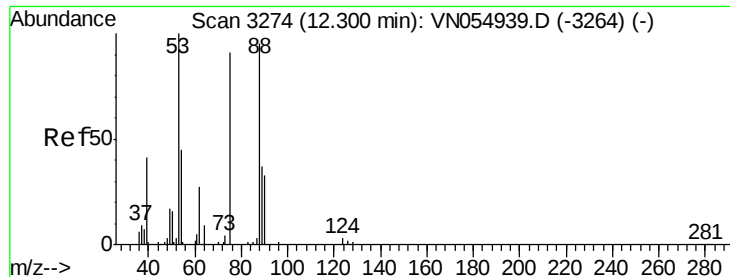
77 1.0 0.0 0.0#



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: 151.111 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

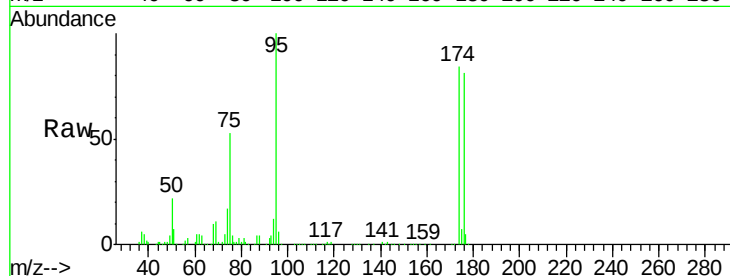
Tot Ion: 75 Resp: 169225

Ion Ratio Lower Upper

75 100

53 0.0 92.8 139.2#

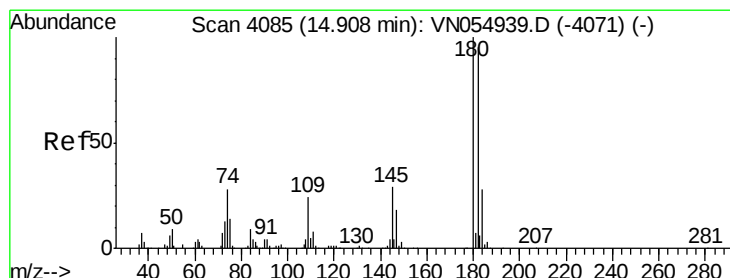
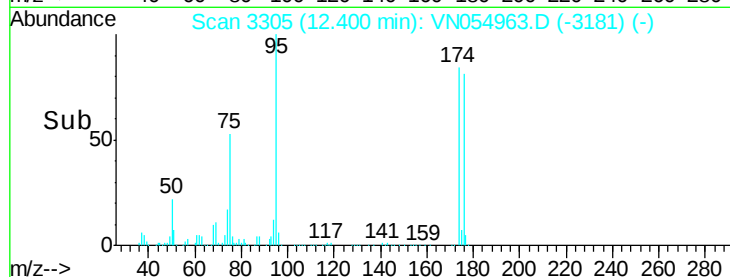
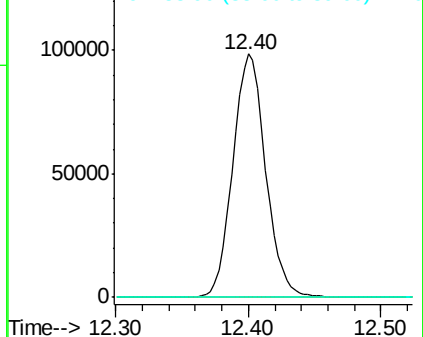
89 0.0 36.7 55.1#



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: 2.612 ug/l

RT: 14.90 min Scan# 4084

Delta R.T. -0.00 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

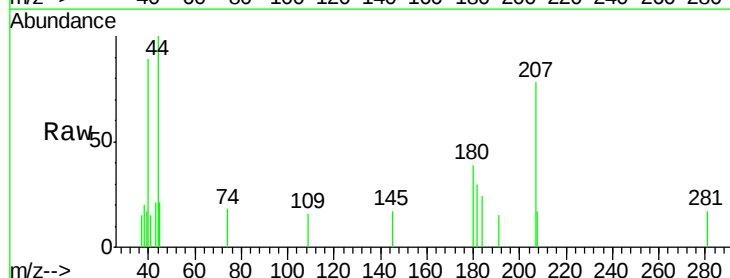
Tgt Ion:180 Resp: 754

Ion Ratio Lower Upper

180 100

182 0.0 47.5 142.6#

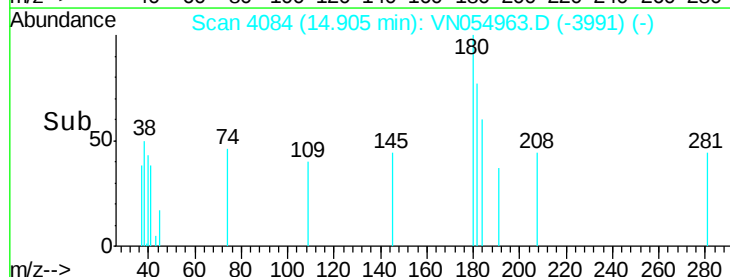
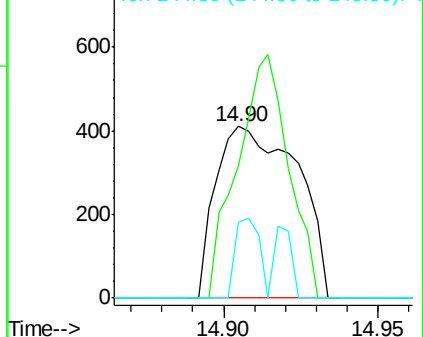
145 13.4 14.6 43.8#

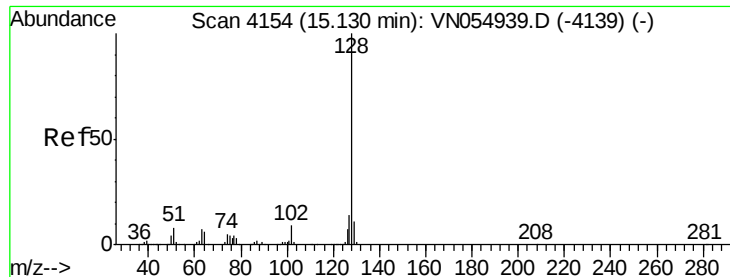


Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.80 (144.50 to 145.50): V





#95

Naphthalene

Concen: 2.974 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. 0.00 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

Instrument :

MSVOA_N

ClientSampled :

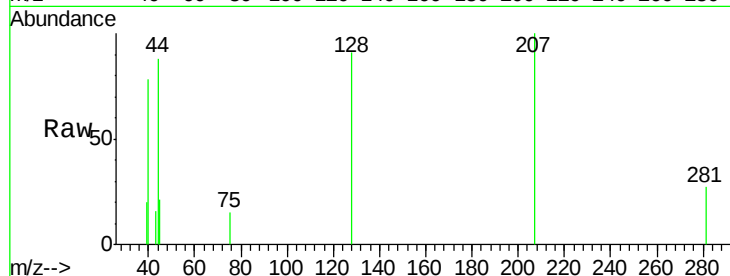
Tot Ion:128 Resp: 1099

Ion Ratio Lower Upper

128 100

127 0.0 10.6 16.0#

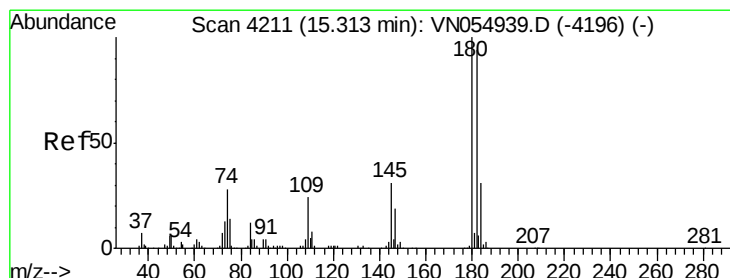
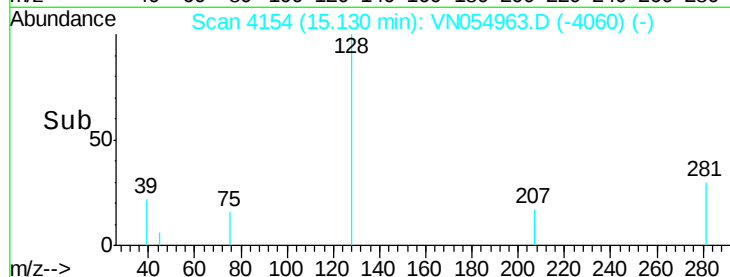
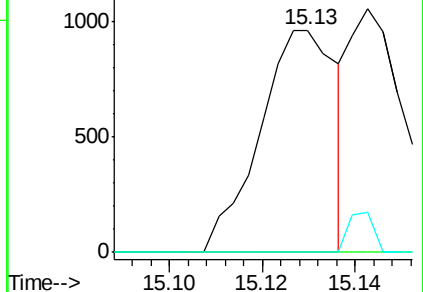
129 5.9 8.6 13.0#



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: 0.227 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN054963.D

Acq: 5 Apr 2019 10:01

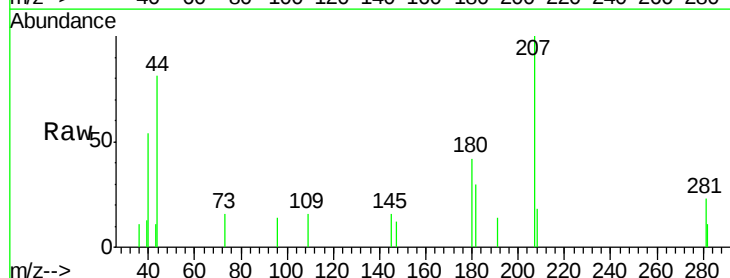
Tgt Ion:180 Resp: 902

Ion Ratio Lower Upper

180 100

182 89.9 47.5 142.5

145 34.9 15.6 46.8



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

