

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059170.D
 Acq On : 11 Nov 2019 18:36
 Operator : JC/SP
 Sample : K5760-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:45:40 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110619W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 07 04:00:41 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.64	168	414790	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	649237	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	571305	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	202989	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.01	65	284293	55.76	ug/l	0.00
Spiked Amount			Recovery	=	111.52%	
35) Dibromofluoromethane	7.57	113	215276	55.53	ug/l	0.00
Spiked Amount			Recovery	=	111.06%	
50) Toluene-d8	10.08	98	820514	53.74	ug/l	0.00
Spiked Amount			Recovery	=	107.48%	
62) 4-Bromofluorobenzene	12.40	95	257944	46.85	ug/l	0.00
Spiked Amount			Recovery	=	93.70%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	2865	1.081	ug/l	92
18) Methyl Acetate	4.31	43	11997	1.906	ug/l #	77
20) Methylene Chloride	4.53	84	5639	1.221	ug/l #	86
29) Tetrahydrofuran	7.19	42	510	0.230	ug/l #	35
31) Cyclohexane	7.64	56	8579	1.081	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	33234	5.476	ug/l #	49
38) Carbon Tetrachloride	7.65	117	40205	6.656	ug/l #	17
71) Bromoform	12.40	173	1232	0.379	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	130648	28.270	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	130648	74.670	ug/l #	13
95) Naphthalene	15.14	128	706	3.108	ug/l #	70

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

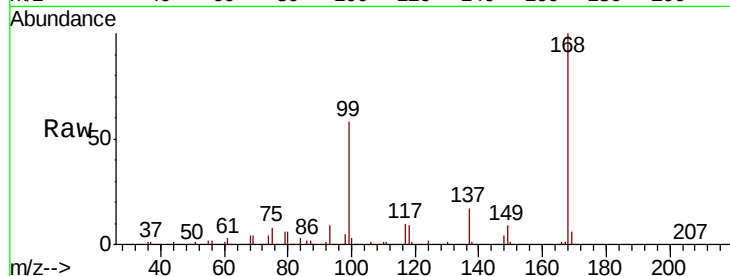
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 414790

Ion Ratio Lower Upper

168 100

99 58.0 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.64

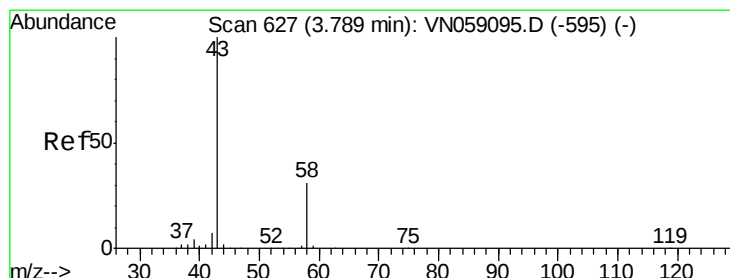
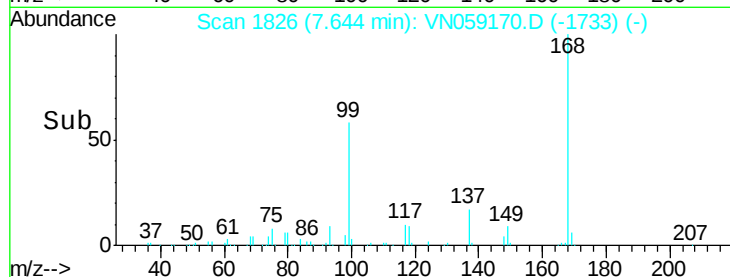
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 1.081 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN059170.D

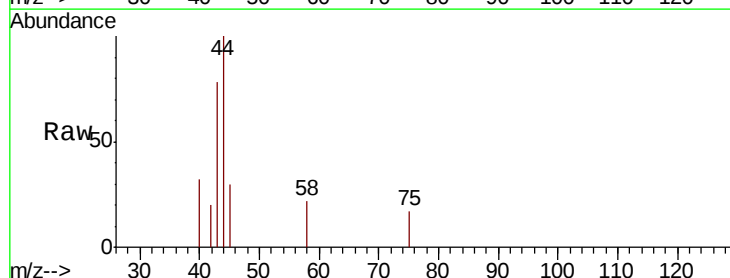
Acq: 11 Nov 2019 18:36

Tgt Ion: 43 Resp: 2865

Ion Ratio Lower Upper

43 100

58 35.5 24.9 37.3



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.80

1000

800

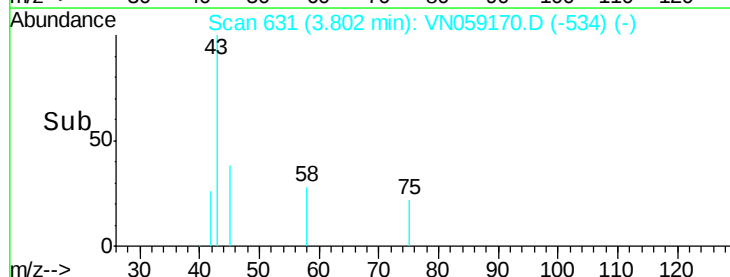
600

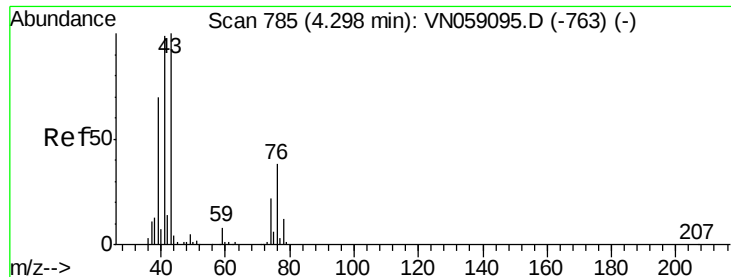
400

200

0

Time-->





#18

Methyl Acetate

Concen: 1.906 ug/l

RT: 4.31 min Scan# 788

Delta R.T. 0.01 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Instrument :

MSVOA_N

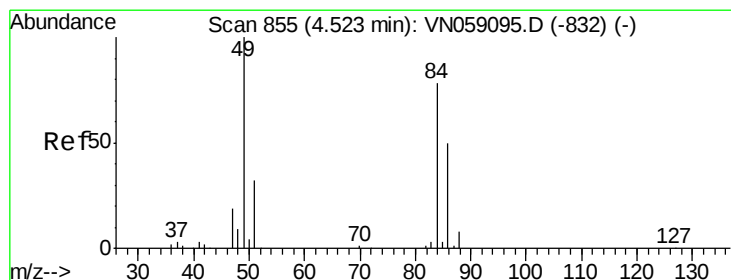
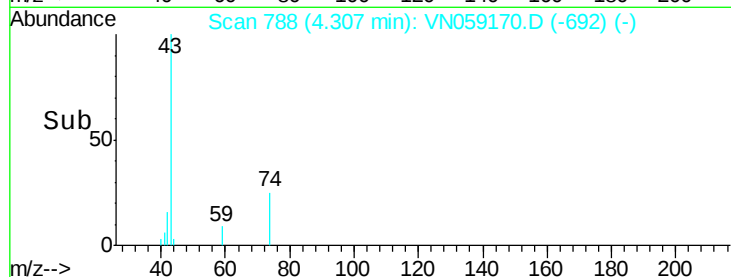
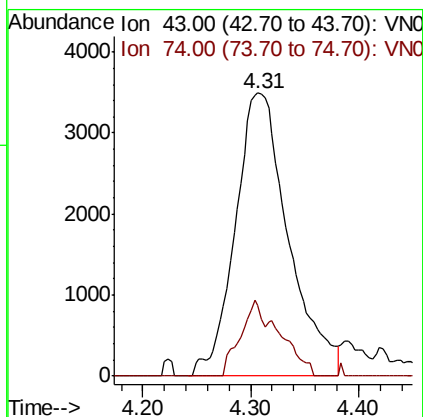
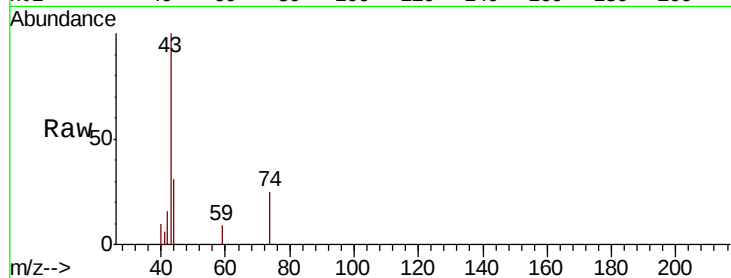
ClientSampleId :

Tot Ion: 43 Resp: 11997

Ion Ratio Lower Upper

43 100

74 11.4 17.8 26.8#



#20

Methylene Chloride

Concen: 1.221 ug/l

RT: 4.53 min Scan# 858

Delta R.T. 0.01 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Tgt Ion: 84 Resp: 5639

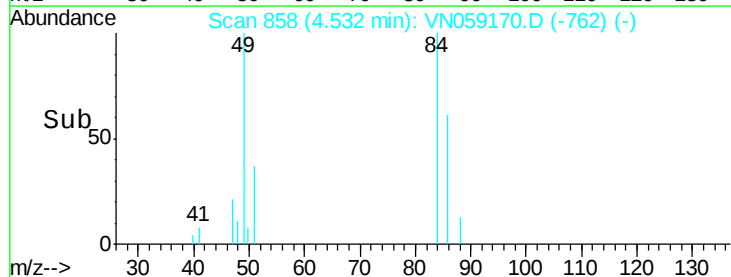
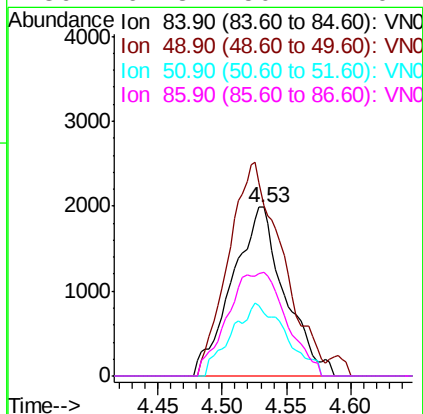
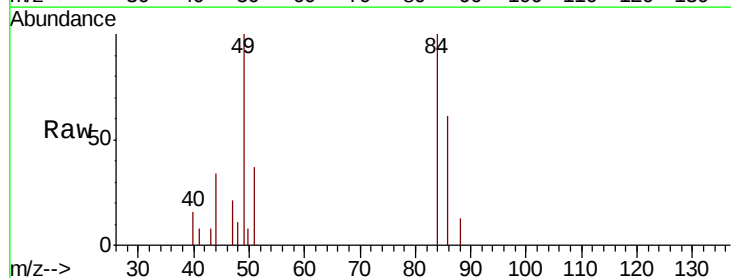
Ion Ratio Lower Upper

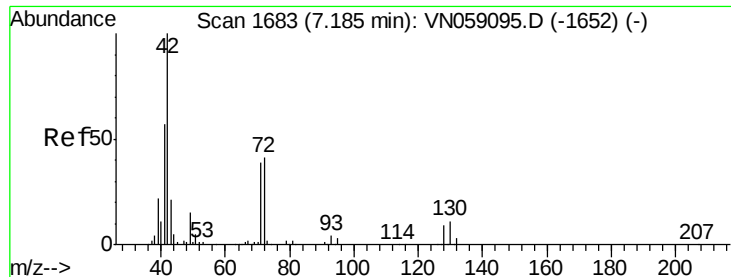
84 100

49 100.5 102.0 153.0#

51 37.5 32.2 48.2

86 61.3 50.7 76.1

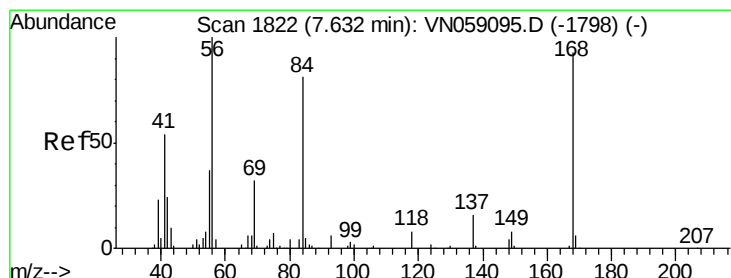
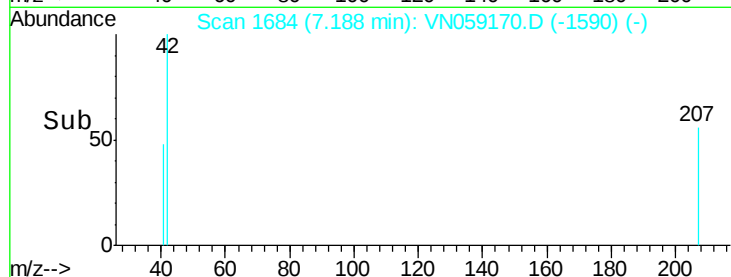
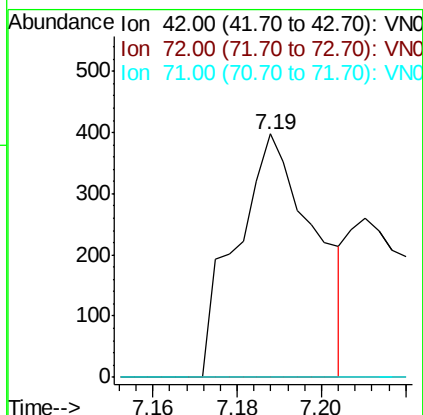
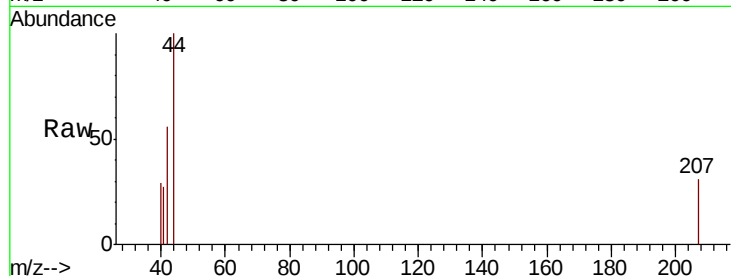




#29
Tetrahydrofuran
Concen: 0.230 ug/l
RT: 7.19 min Scan# 1684
Delta R.T. 0.00 min
Lab File: VN059170.D
Acq: 11 Nov 2019 18:36

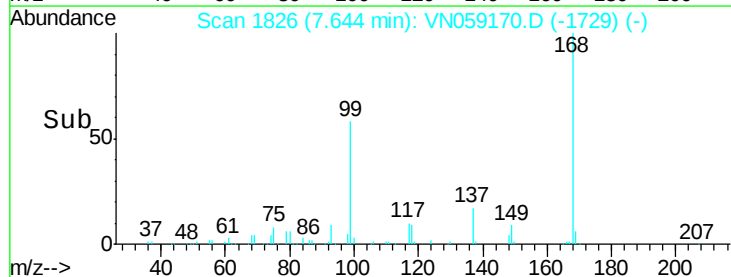
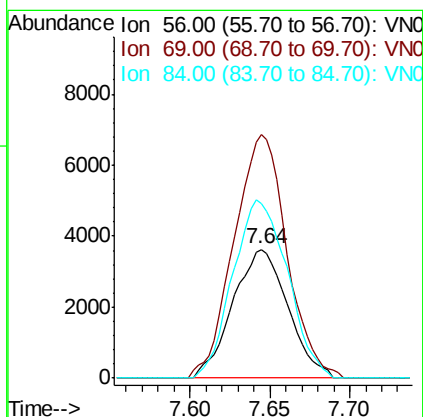
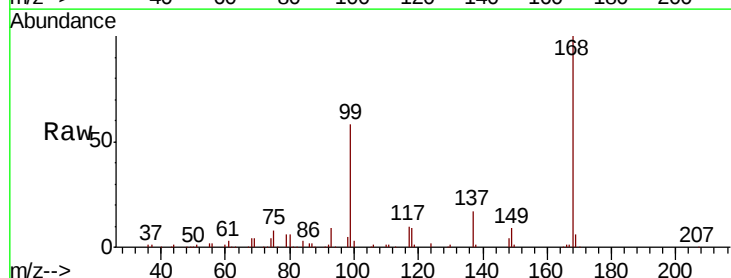
Instrument :
MSVOA_N
ClientSampled :

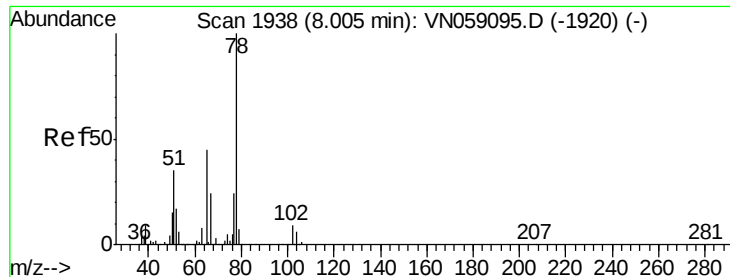
Tot Ion: 42 Resp: 510
Ion Ratio Lower Upper
42 100
72 0.0 33.1 49.7#
71 0.0 30.9 46.3#



#31
Cyclohexane
Concen: 1.081 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. 0.01 min
Lab File: VN059170.D
Acq: 11 Nov 2019 18:36

Tgt Ion: 56 Resp: 8579
Ion Ratio Lower Upper
56 100
69 188.7 25.8 38.8#
84 135.5 65.0 97.4#





#33

1,2-Dichloroethane-d4

Concen: 55.756 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Instrument :

MSVOA_N

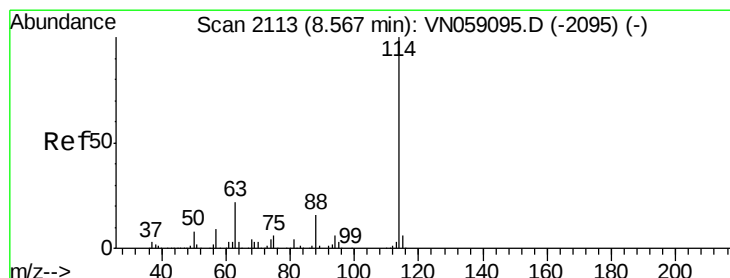
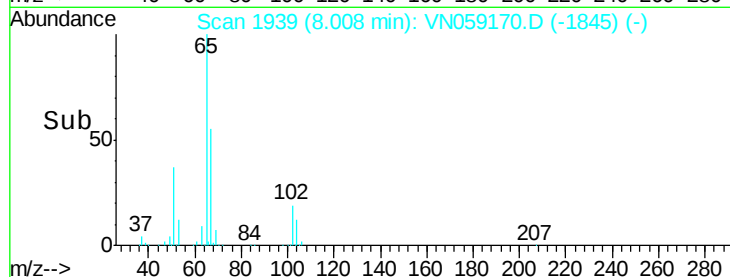
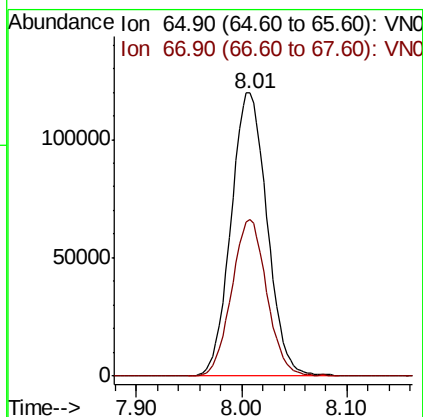
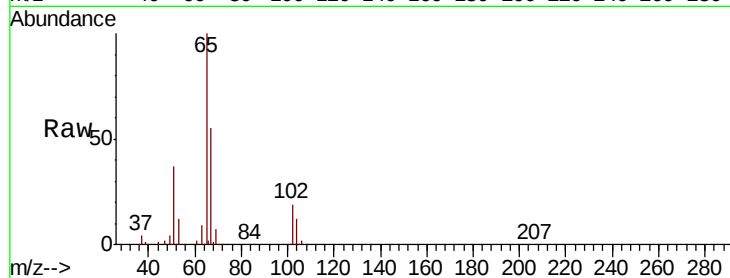
ClientSampled :

Tot Ion: 65 Resp: 284293

Ion Ratio Lower Upper

65 100

67 53.6 0.0 107.4



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.57 min Scan# 2113

Delta R.T. -0.00 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

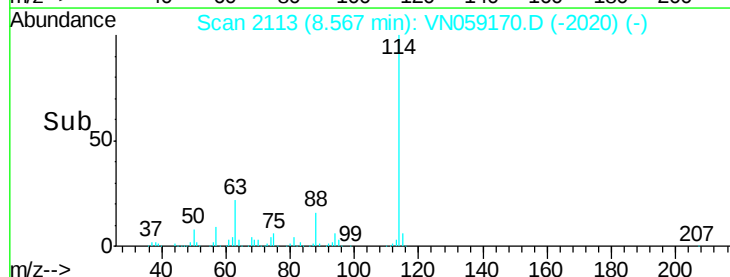
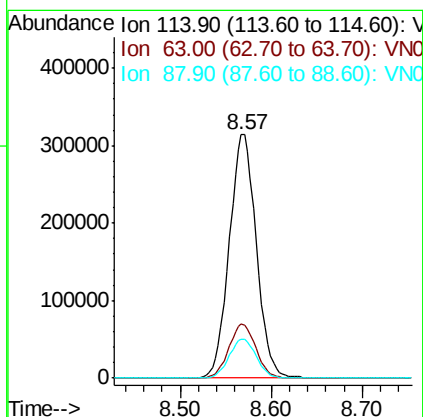
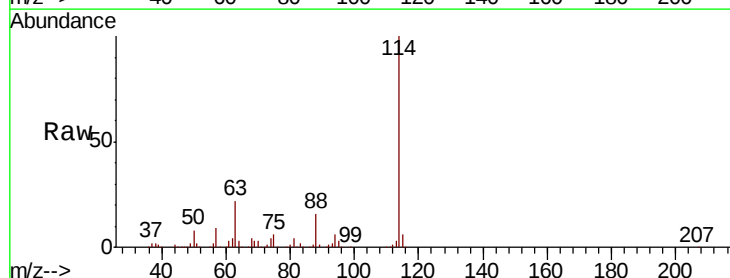
Tgt Ion: 114 Resp: 649237

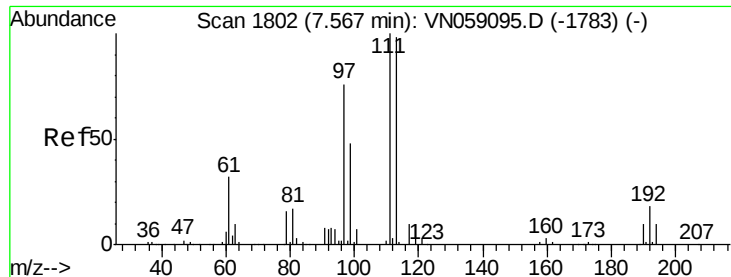
Ion Ratio Lower Upper

114 100

63 22.1 0.0 43.4

88 16.0 0.0 32.2

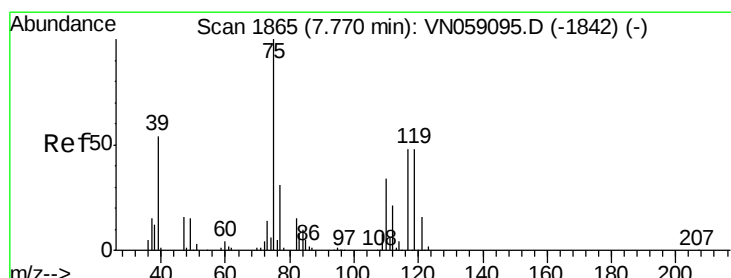
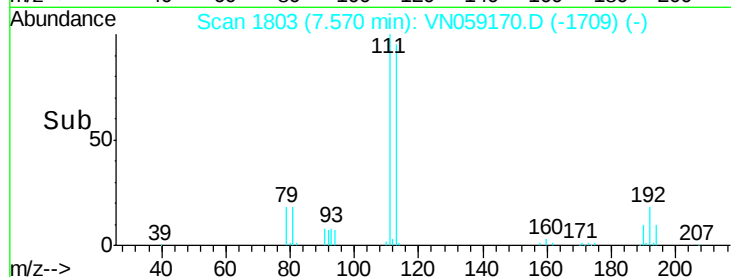
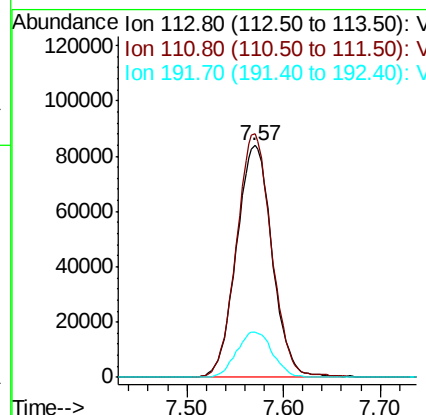
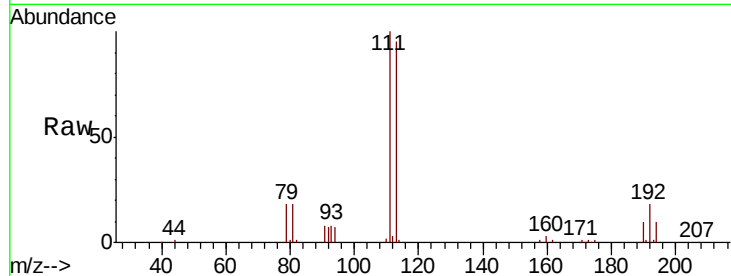




#35
Dibromofluoromethane
Concen: 55.532 ug/l
RT: 7.57 min Scan# 1803
Delta R.T. 0.00 min
Lab File: VN059170.D
Acq: 11 Nov 2019 18:36

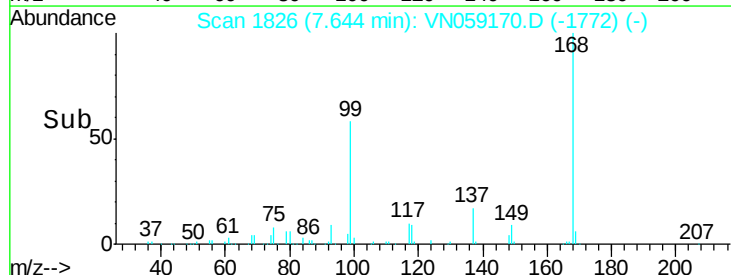
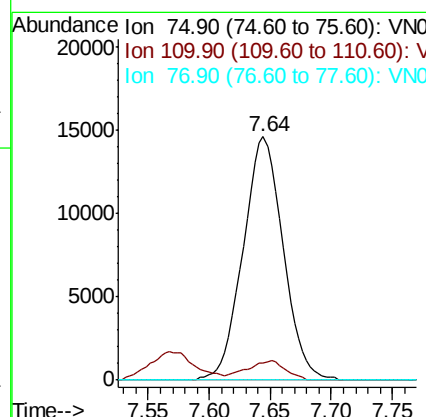
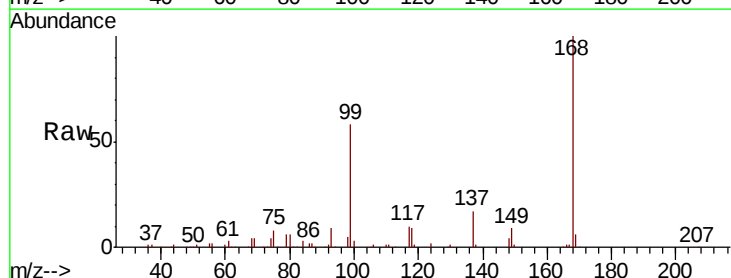
Instrument :
MSVOA_N
ClientSampleId :

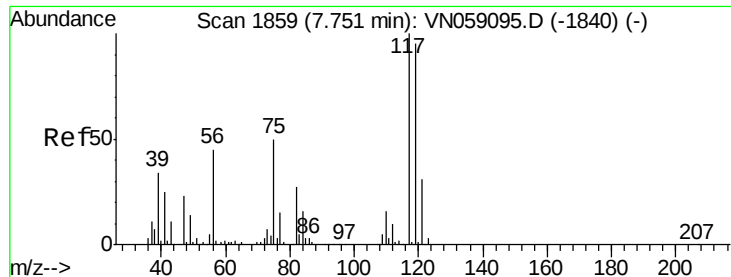
Tot Ion	Ratio	Lower	Upper
113	100		
111	103.5	82.8	124.2
192	19.8	16.1	24.1



#36
1,1-Dichloropropene
Concen: 5.476 ug/l
RT: 7.64 min Scan# 1826
Delta R.T. -0.13 min
Lab File: VN059170.D
Acq: 11 Nov 2019 18:36

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.7	17.1	51.2#
77	0.0	24.8	37.2#





#38

Carbon Tetrachloride

Concen: 6.656 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.10 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Instrument :

MSVOA_N

ClientSampled :

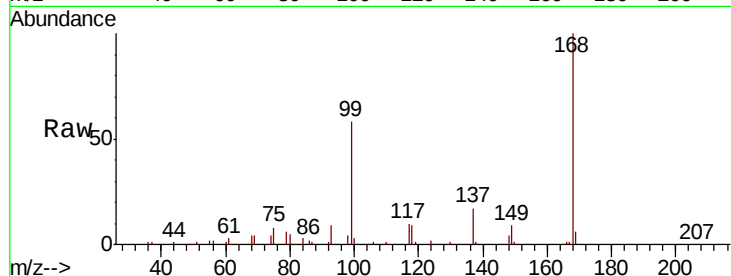
Tot Ion:117 Resp: 40205

Ion Ratio Lower Upper

117 100

119 5.3 75.6 113.4#

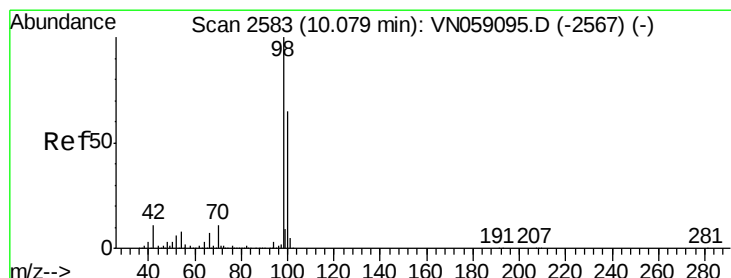
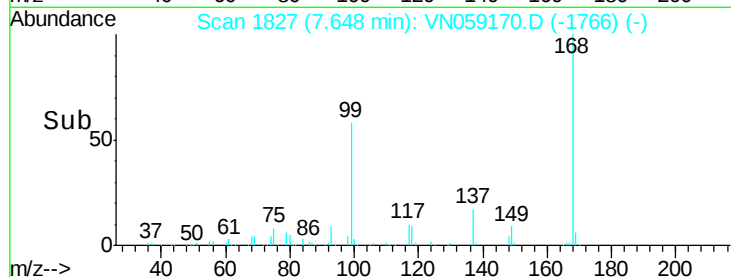
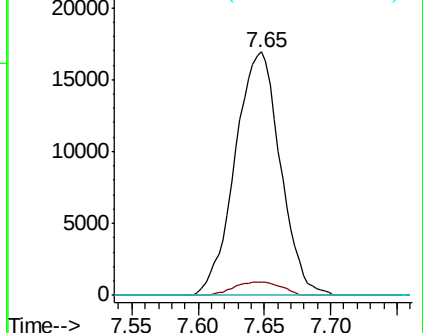
121 0.0 24.6 36.8#



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: 53.735 ug/l

RT: 10.08 min Scan# 2584

Delta R.T. 0.00 min

Lab File: VN059170.D

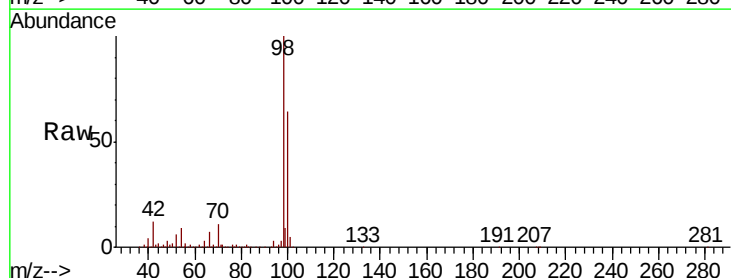
Acq: 11 Nov 2019 18:36

Tgt Ion: 98 Resp: 820514

Ion Ratio Lower Upper

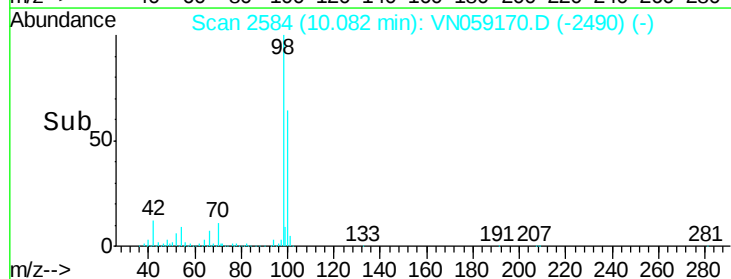
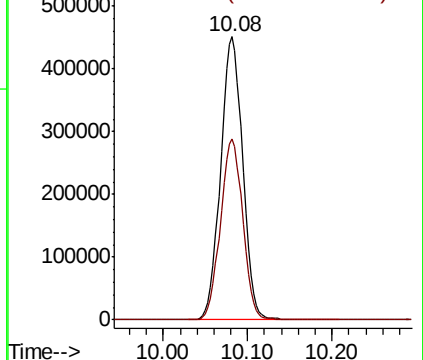
98 100

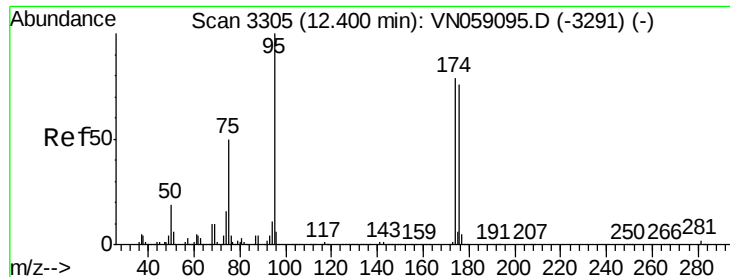
100 64.6 52.2 78.2



Abundance Ion 98.00 (97.70 to 98.70): V

Ion 100.00 (99.70 to 100.70): V





#62

4-Bromofluorobenzene

Concen: 46.851 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Instrument :

MSVOA_N

ClientSampleId :

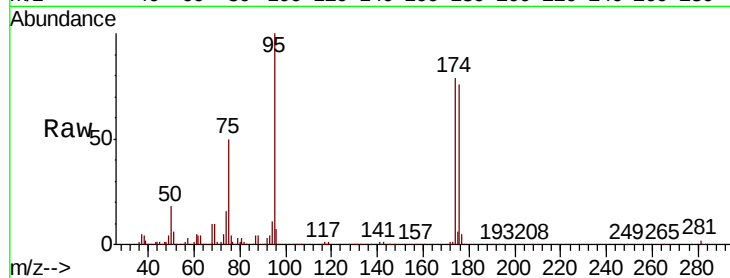
Tot Ion: 95 Resp: 257944

Ion Ratio Lower Upper

95 100

174 79.2 0.0 158.2

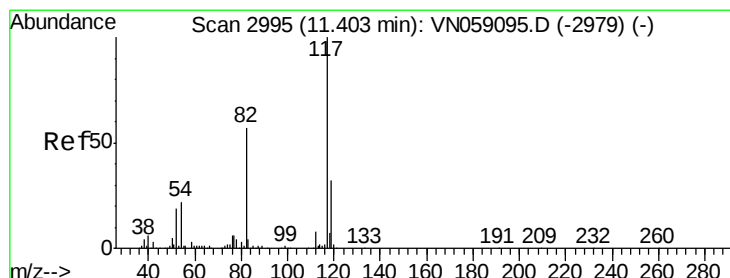
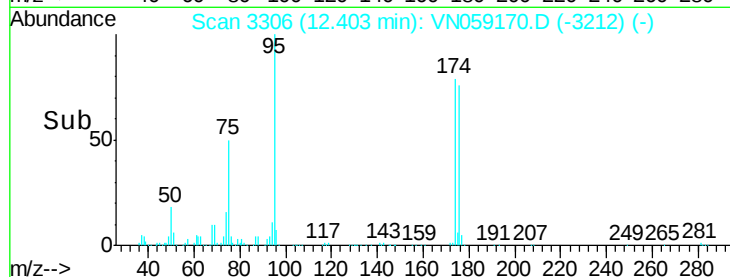
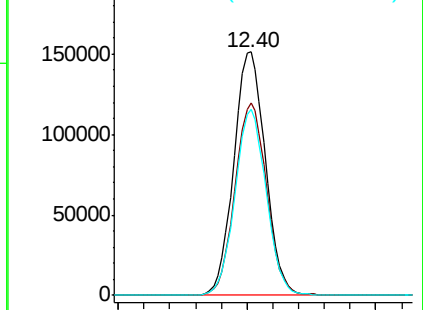
176 75.6 0.0 151.8



Abundance Ion 94.90 (94.60 to 95.60): VN059170.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN059170.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN059170.D (-3291) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

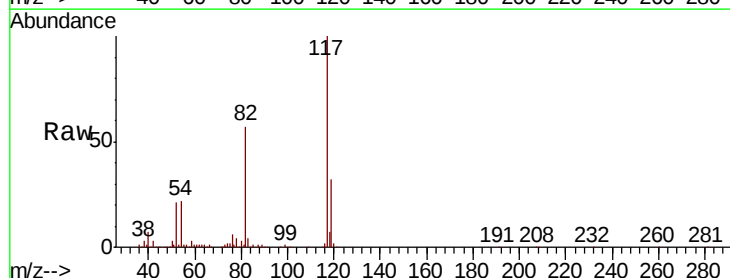
Tgt Ion: 117 Resp: 571305

Ion Ratio Lower Upper

117 100

82 57.0 45.8 68.8

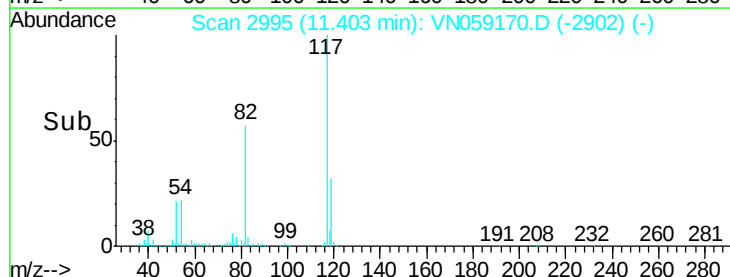
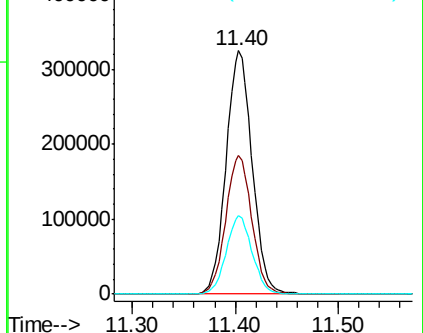
119 32.2 25.8 38.6

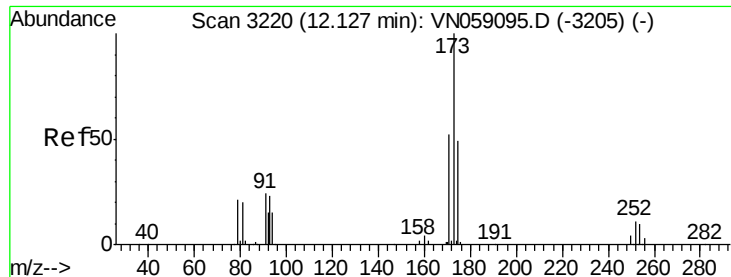


Abundance Ion 116.90 (116.60 to 117.60): VN059170.D (-2902) (-)

Ion 82.00 (81.70 to 82.70): VN059170.D (-2902) (-)

Ion 118.90 (118.60 to 119.60): VN059170.D (-2902) (-)





#71

Bromoform

Concen: 0.379 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Instrument :

MSVOA_N

ClientSampled :

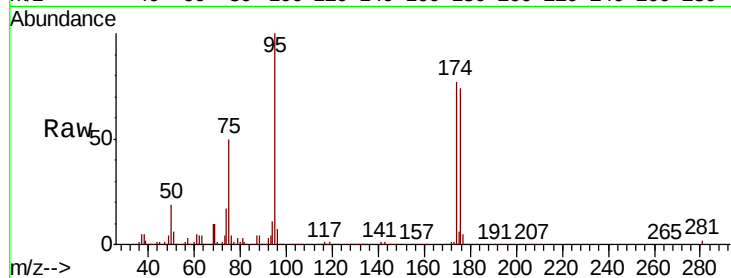
Tot Ion:173 Resp: 1232

Ion Ratio Lower Upper

173 100

175 1003.0 24.2 72.6#

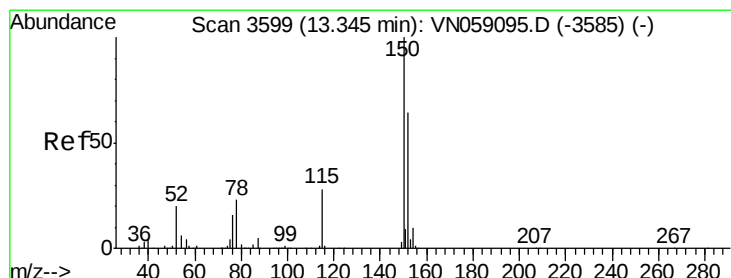
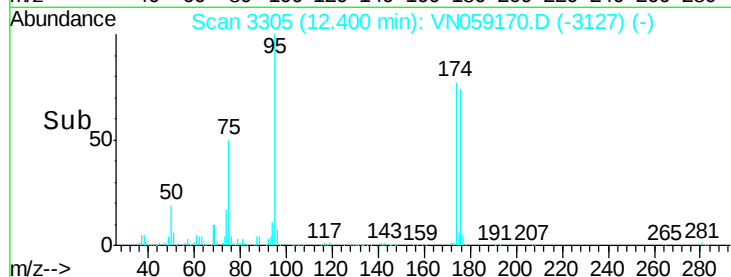
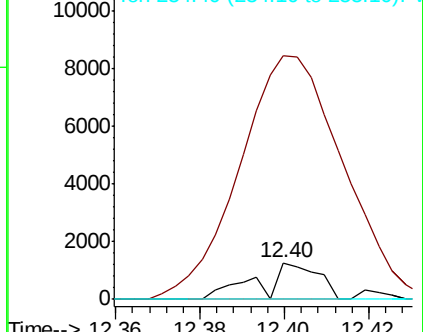
254 0.0 0.1 0.1#



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: VN059170.D

Acq: 11 Nov 2019 18:36

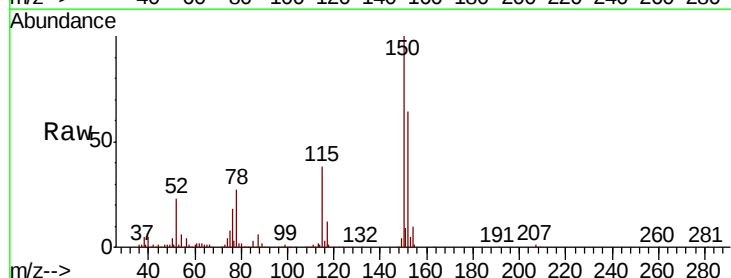
Tgt Ion:152 Resp: 202989

Ion Ratio Lower Upper

152 100

115 60.2 29.4 88.2

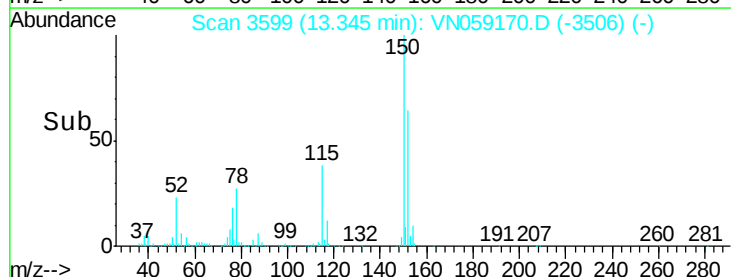
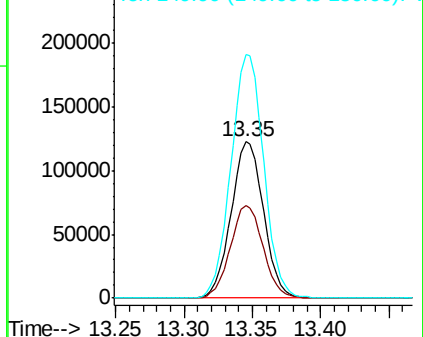
150 157.3 0.0 345.8

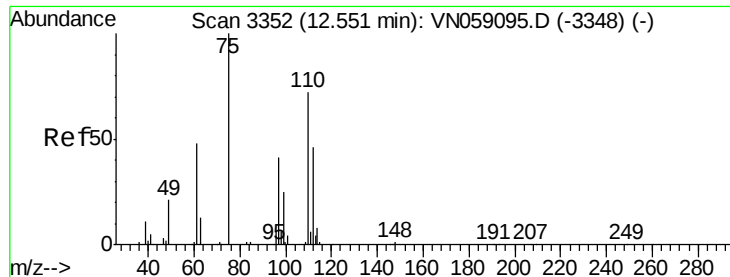


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 28.270 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

Instrument :

MSVOA_N

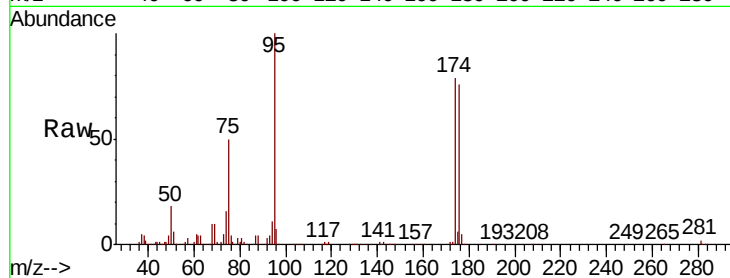
ClientSampled :

Tot Ion: 75 Resp: 130648

Ion Ratio Lower Upper

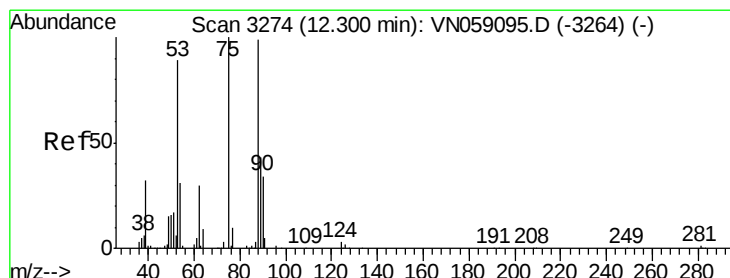
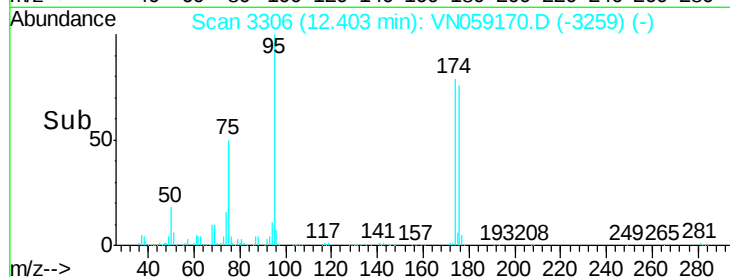
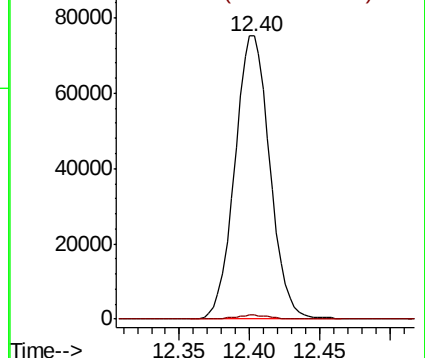
75 100

77 1.4 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: 74.670 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059170.D

Acq: 11 Nov 2019 18:36

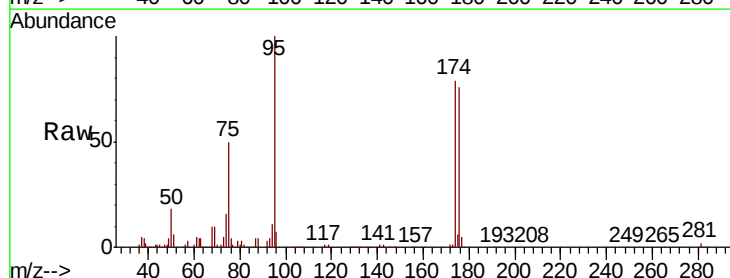
Tgt Ion: 75 Resp: 130648

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

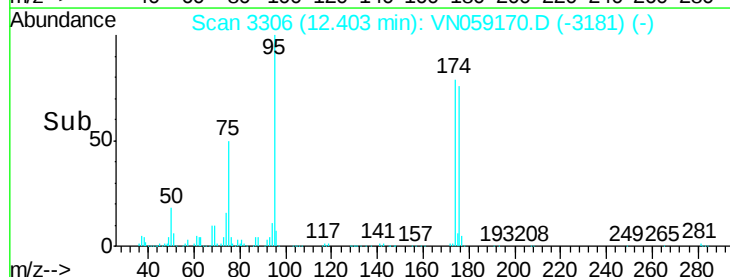
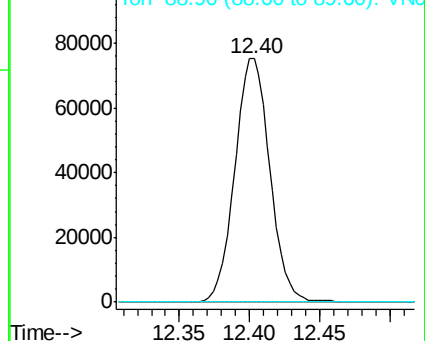
89 0.0 35.8 53.8#

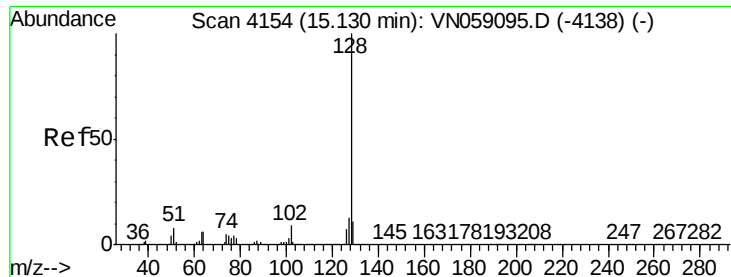


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

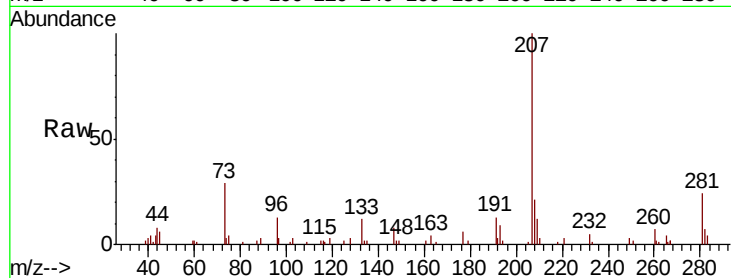




#95
Naphthalene
Concen: 3.108 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.01 min
Lab File: VN059170.D
Acq: 11 Nov 2019 18:36

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.2	15.2#
129	0.0	8.6	12.8#



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

