

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111119\
 Data File : VN059171.D
 Acq On : 11 Nov 2019 18:58
 Operator : JC/SP
 Sample : K5746-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 29 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 12 00:45:52 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	400322	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	632839	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.40	117	555127	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	206802	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	271770	55.23	ug/l	0.00
Spiked Amount	50.000			Recovery	=	110.46%	
35) Dibromofluoromethane		7.57	113	210154	55.62	ug/l	0.00
Spiked Amount	50.000			Recovery	=	111.24%	
50) Toluene-d8		10.08	98	790126	53.09	ug/l	0.00
Spiked Amount	50.000			Recovery	=	106.18%	
62) 4-Bromofluorobenzene		12.40	95	250456	46.67	ug/l	0.00
Spiked Amount	50.000			Recovery	=	93.34%	

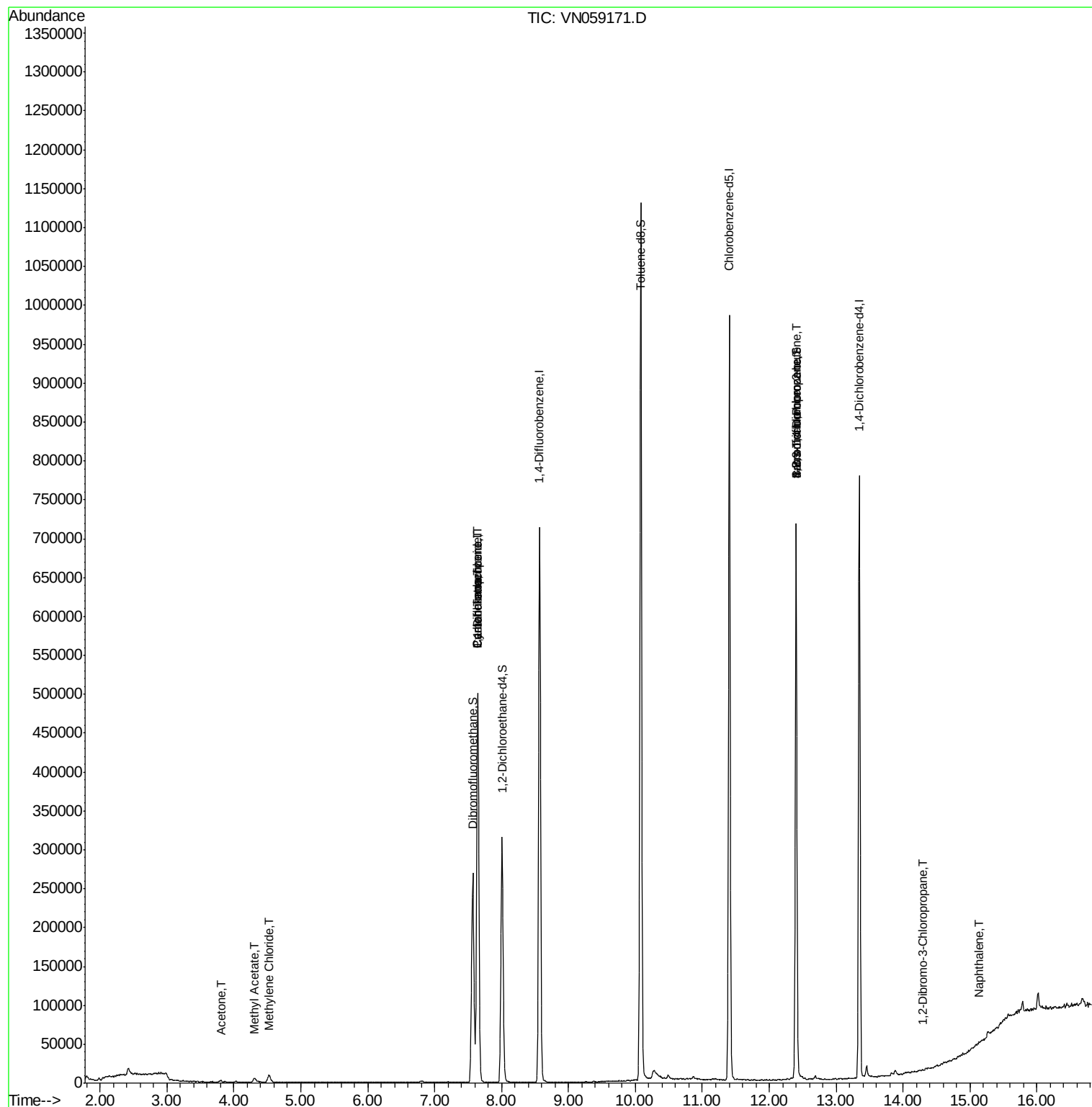
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.81	43	2557	0.999	ug/l #	81
18) Methyl Acetate	4.30	43	10381	1.709	ug/l	94
20) Methylene Chloride	4.52	84	6944	1.558	ug/l	89
31) Cyclohexane	7.64	56	8727	1.139	ug/l #	1
36) 1,1-Dichloropropene	7.64	75	31913	5.395	ug/l #	44
38) Carbon Tetrachloride	7.64	117	38928	6.612	ug/l #	17
71) Bromoform	12.40	173	1400	0.443	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	128805	27.358	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	128805	72.259	ug/l #	13
92) 1,2-Dibromo-3-Chloropropan	14.29	75	182	0.204	ug/l #	3
95) Naphthalene	15.13	128	1383	3.166	ug/l #	70

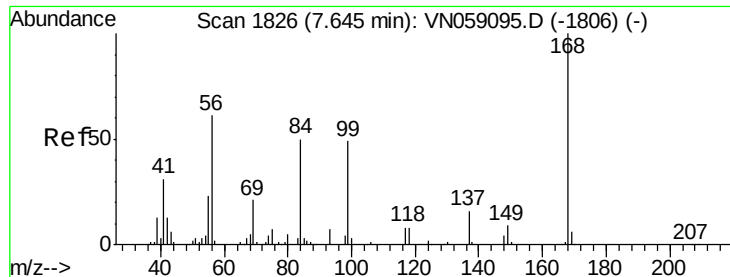
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. -0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

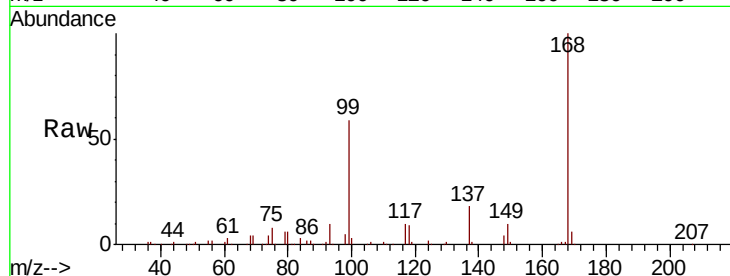
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 400322

Ion Ratio Lower Upper

168 100

99 58.6 45.7 68.5



Abundance Ion 167.90 (167.60 to 168.60): VN059171.D (-1733) (-)

Ion 98.90 (98.60 to 99.60): VN059171.D (-1733) (-)

7.64

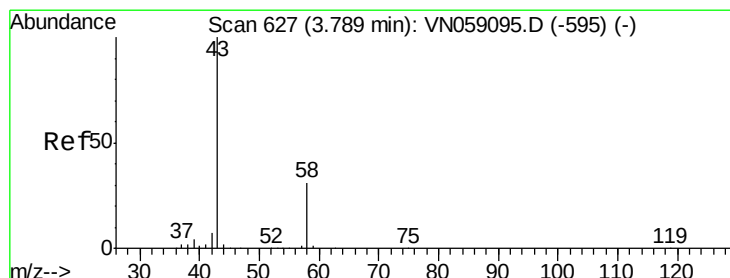
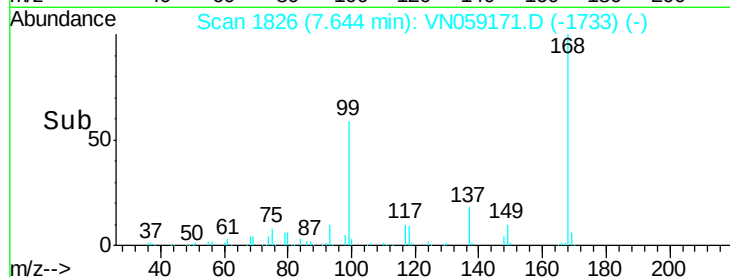
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 0.999 ug/l

RT: 3.81 min Scan# 632

Delta R.T. 0.02 min

Lab File: VN059171.D

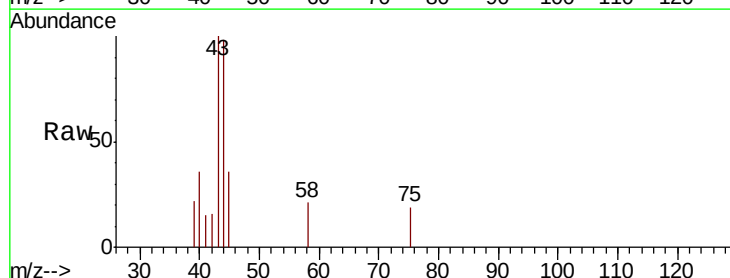
Acq: 11 Nov 2019 18:58

Tgt Ion: 43 Resp: 2557

Ion Ratio Lower Upper

43 100

58 20.8 24.9 37.3#



Abundance Ion 43.00 (42.70 to 43.70): VN059171.D (-534) (-)

Ion 58.00 (57.70 to 58.70): VN059171.D (-534) (-)

3.81

1200

1000

800

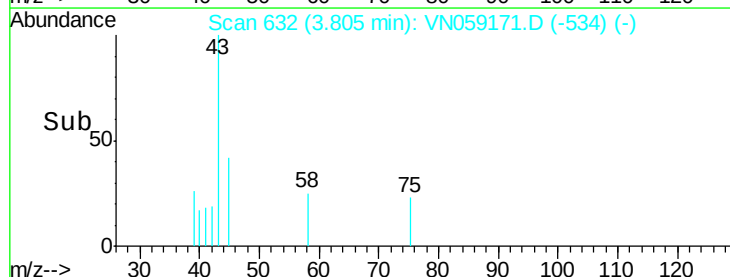
600

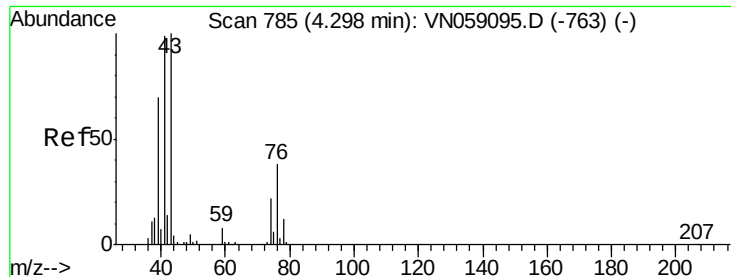
400

200

0

Time-->

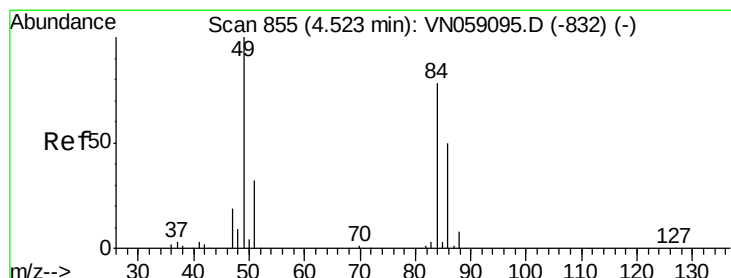
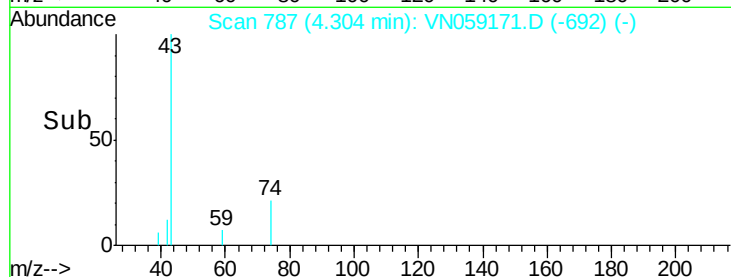
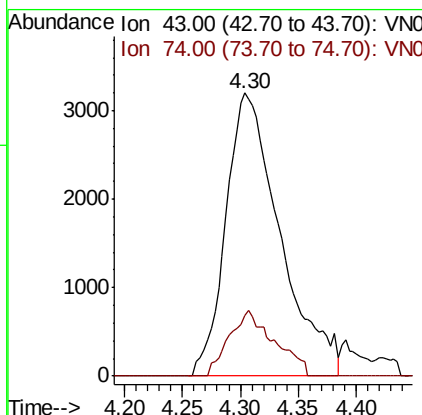
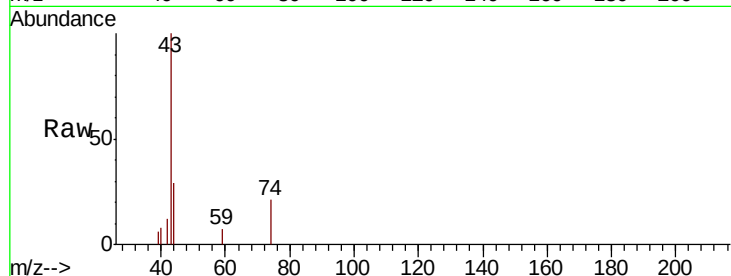




#18
Methvl Acetate
Concen: 1.709 ug/l
RT: 4.30 min Scan# 787
Delta R.T. 0.01 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

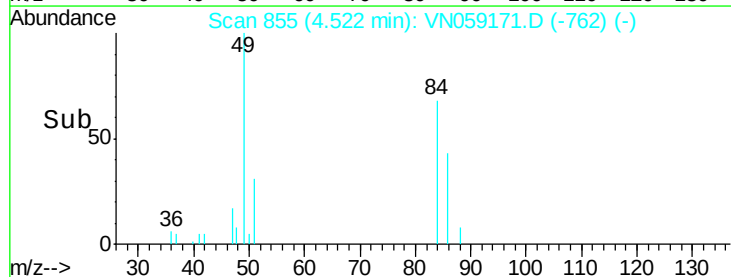
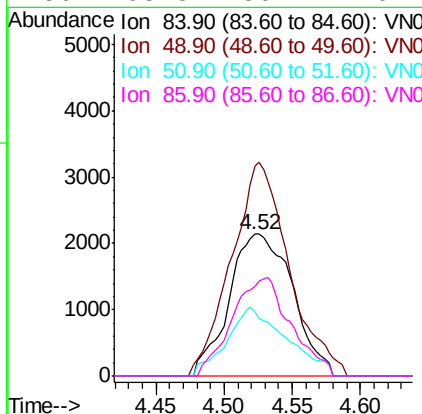
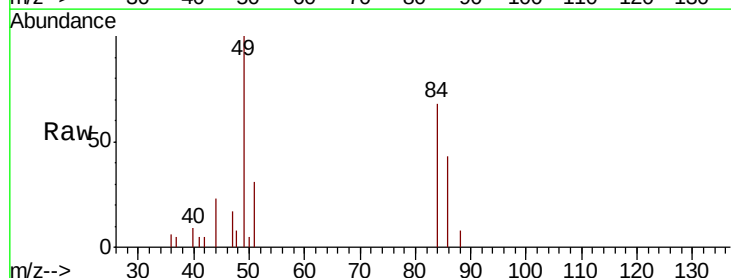
Instrument :
MSVOA_N
ClientSampleId :

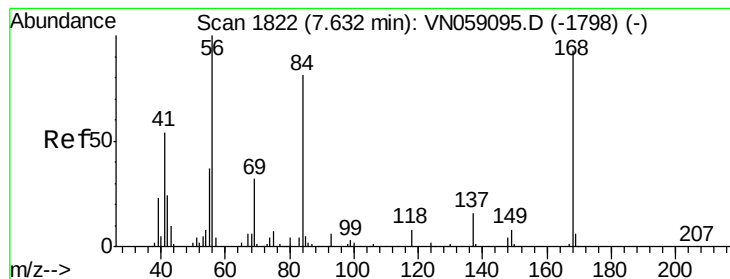
Tot Ion: 43 Resp: 10381
Ion Ratio Lower Upper
43 100
74 19.2 17.8 26.8



#20
Methylene Chloride
Concen: 1.558 ug/l
RT: 4.52 min Scan# 855
Delta R.T. -0.00 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

Tgt Ion: 84 Resp: 6944
Ion Ratio Lower Upper
84 100
49 147.9 102.0 153.0
51 45.5 32.2 48.2
86 63.3 50.7 76.1





#31

Cyclohexane

Concen: 1.139 ug/l

RT: 7.64 min Scan# 1826

Delta R.T. 0.01 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

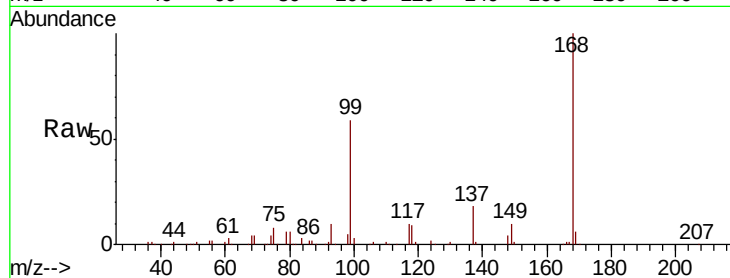
Tot Ion: 56 Resp: 8727

Ion Ratio Lower Upper

56 100

69 171.0 25.8 38.8#

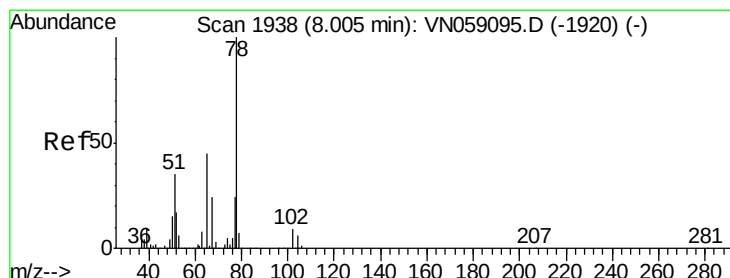
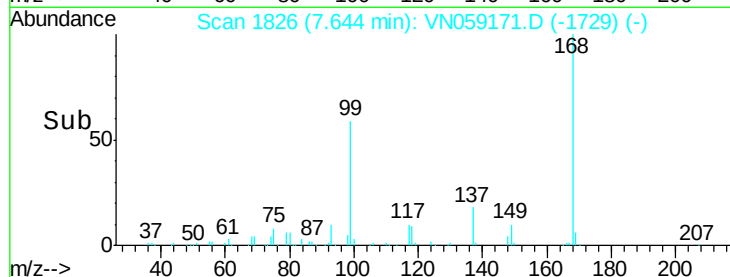
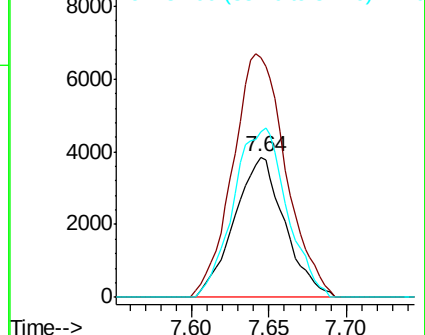
84 118.1 65.0 97.4#



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: 55.227 ug/l

RT: 8.01 min Scan# 1939

Delta R.T. 0.00 min

Lab File: VN059171.D

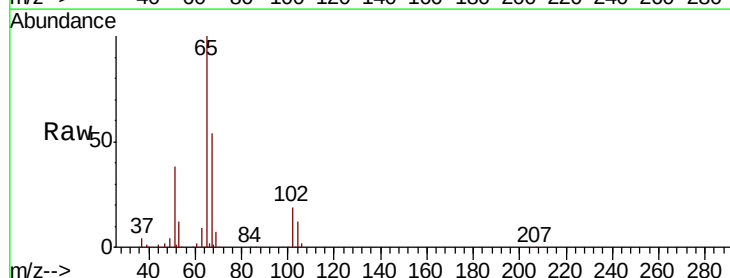
Acq: 11 Nov 2019 18:58

Tgt Ion: 65 Resp: 271770

Ion Ratio Lower Upper

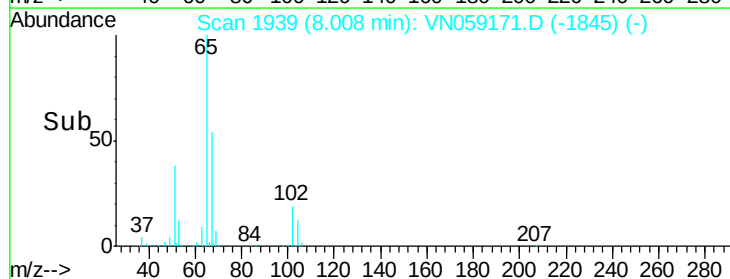
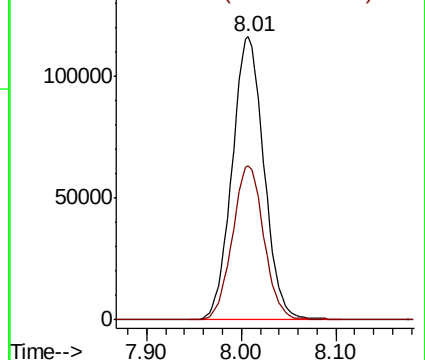
65 100

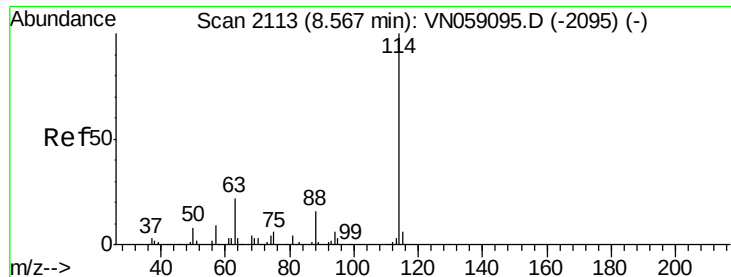
67 53.8 0.0 107.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

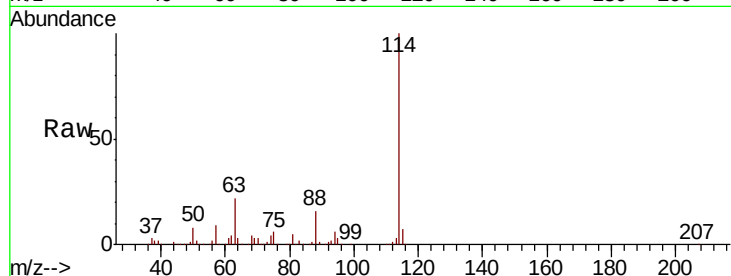




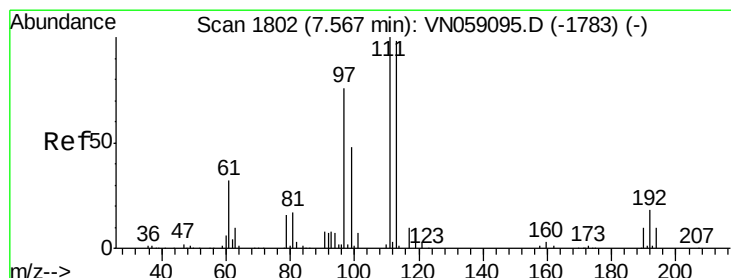
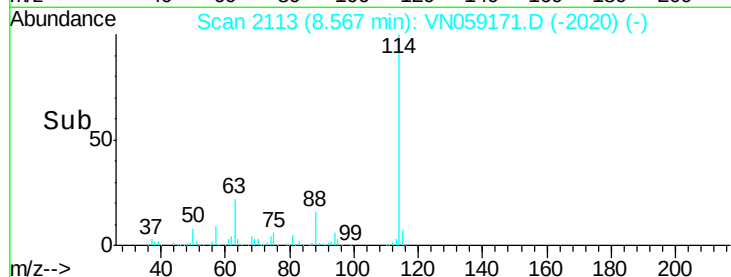
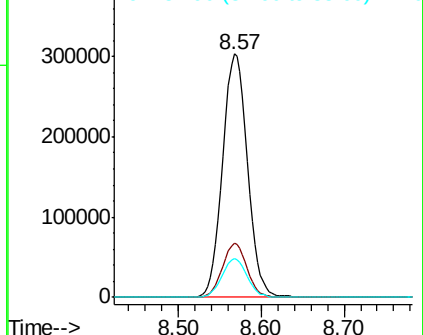
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2113
 Delta R.T. -0.00 min
 Lab File: VN059171.D
 Acq: 11 Nov 2019 18:58

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
114	100		
63	22.3	0.0	43.4
88	16.0	0.0	32.2

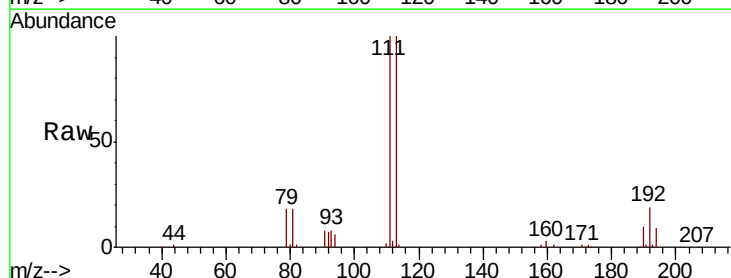


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

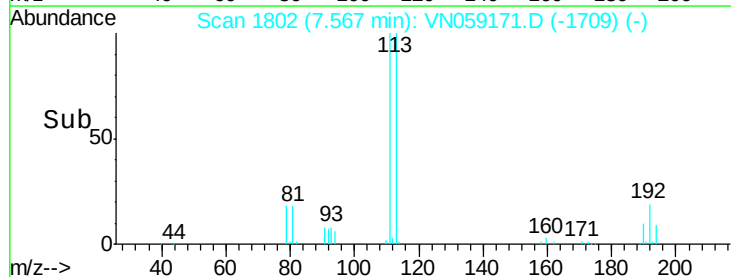
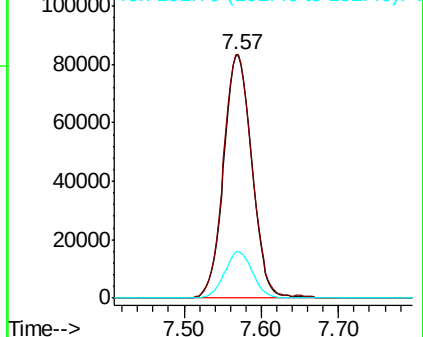


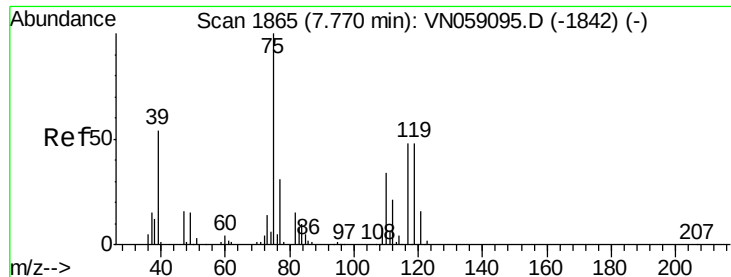
#35
 Dibromofluoromethane
 Concen: 55.616 ug/l
 RT: 7.57 min Scan# 1802
 Delta R.T. -0.00 min
 Lab File: VN059171.D
 Acq: 11 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
113	100		
111	101.0	82.8	124.2
192	18.9	16.1	24.1



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

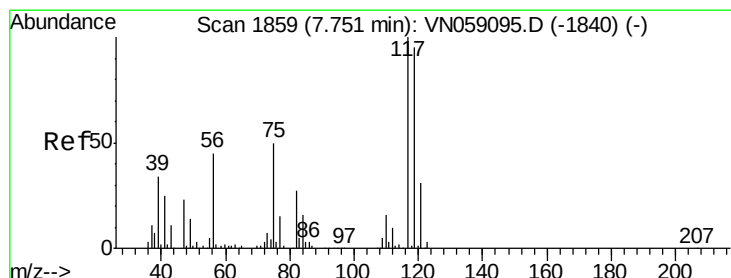
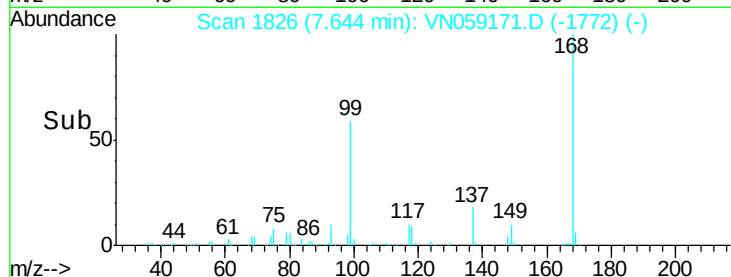
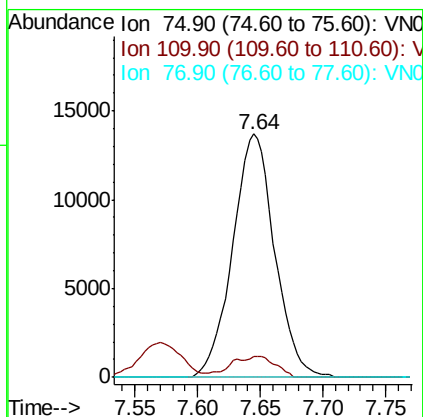
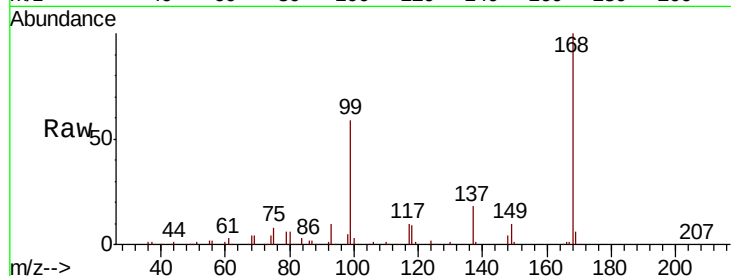




#36
 1,1-Dichloropropene
 Concen: 5.395 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.13 min
 Lab File: VN059171.D
 Acq: 11 Nov 2019 18:58

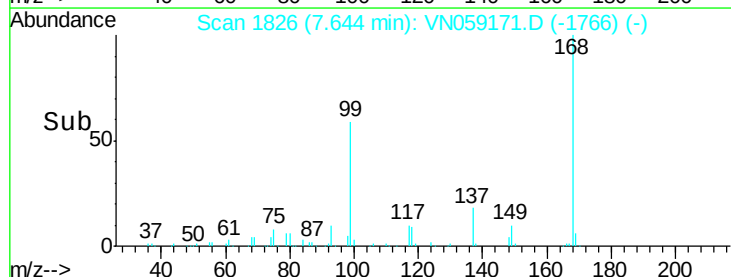
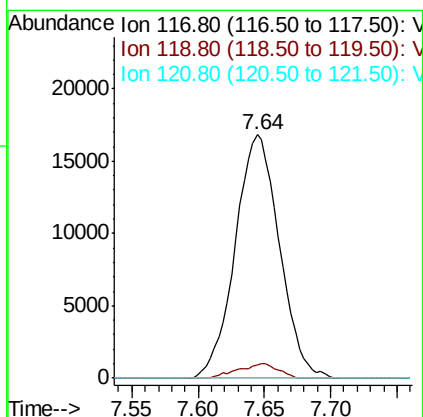
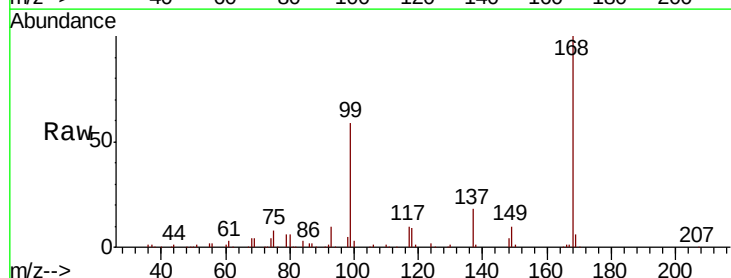
Instrument :
 MSVOA_N
 ClientSampled :

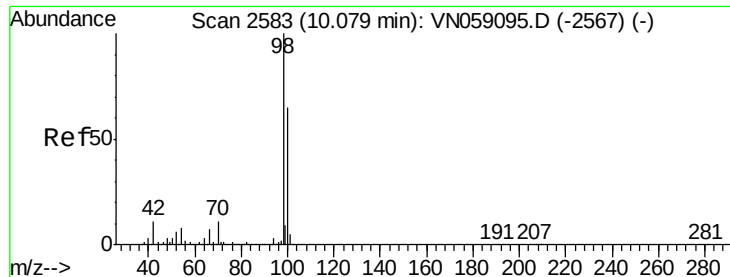
Tot Ion	75	Resp	31913
Ion Ratio	100	Lower	Upper
75	100		
110	2.3	17.1	51.2#
77	0.0	24.8	37.2#



#38
 Carbon Tetrachloride
 Concen: 6.612 ug/l
 RT: 7.64 min Scan# 1826
 Delta R.T. -0.11 min
 Lab File: VN059171.D
 Acq: 11 Nov 2019 18:58

Tgt Ion	117	Resp	38928
Ion Ratio	100	Lower	Upper
117	100		
119	5.4	75.6	113.4#
121	0.0	24.6	36.8#

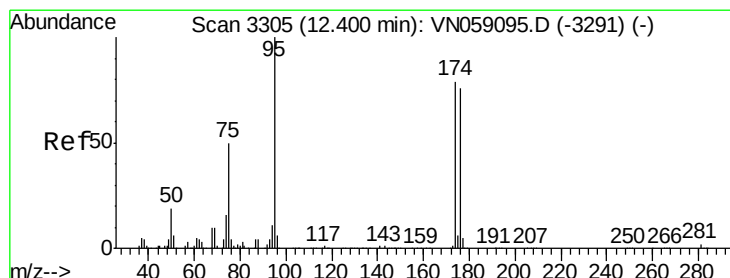
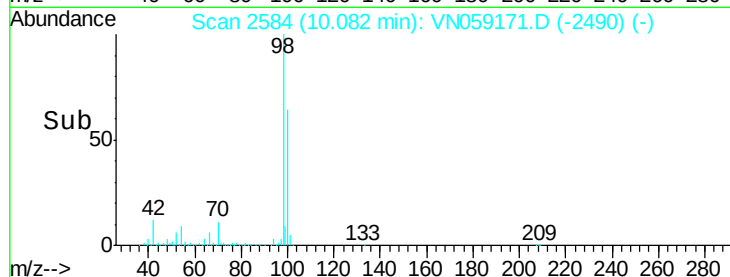
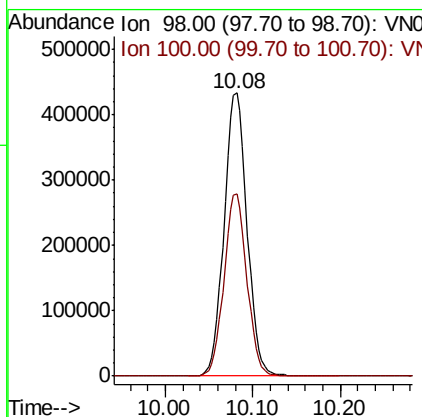
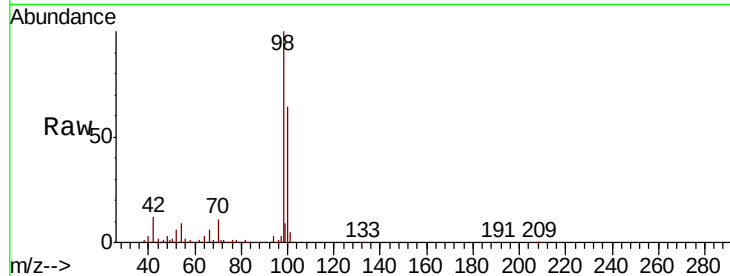




#50
Toluene-d8
Concen: 53.086 ug/l
RT: 10.08 min Scan# 2584
Delta R.T. 0.00 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

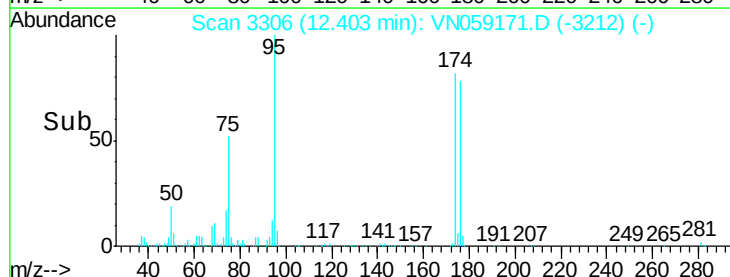
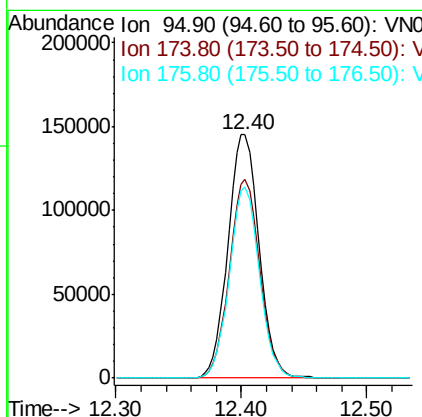
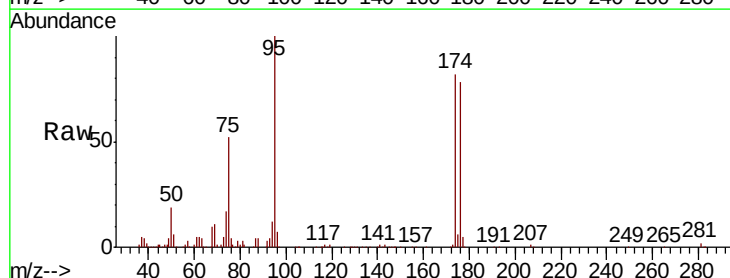
Instrument :
MSVOA_N
ClientSampleId :

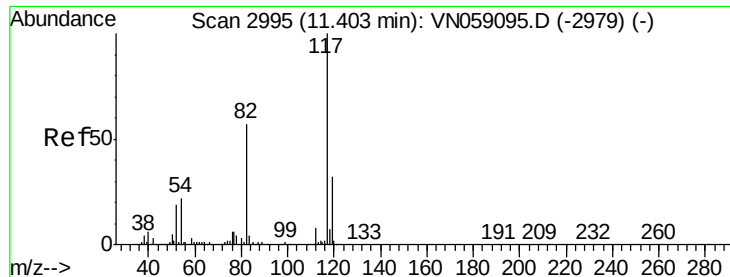
Tot Ion: 98 Resp: 790126
Ion Ratio Lower Upper
98 100
100 64.1 52.2 78.2



#62
4-Bromofluorobenzene
Concen: 46.670 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

Tgt Ion: 95 Resp: 250456
Ion Ratio Lower Upper
95 100
174 80.1 0.0 158.2
176 76.0 0.0 151.8





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.40 min Scan# 2995

Delta R.T. -0.00 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :

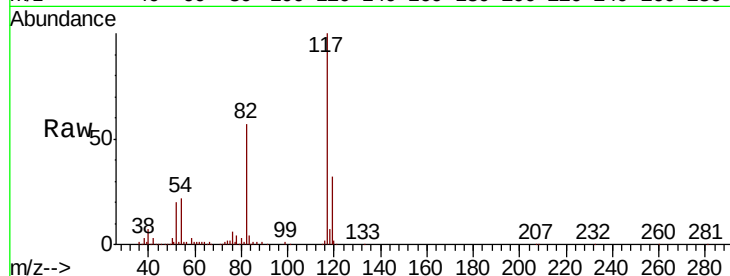
Tot Ion:117 Resp: 555127

Ion Ratio Lower Upper

117 100

82 56.9 45.8 68.8

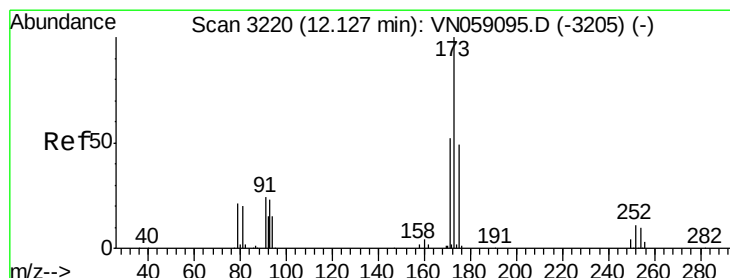
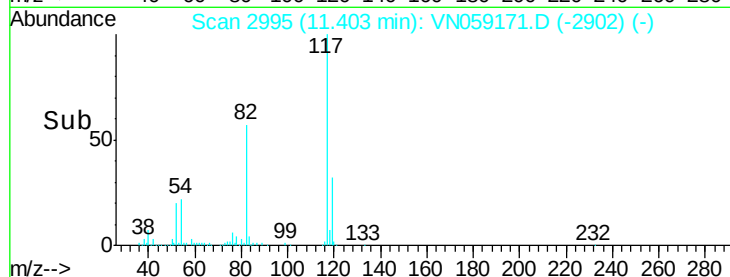
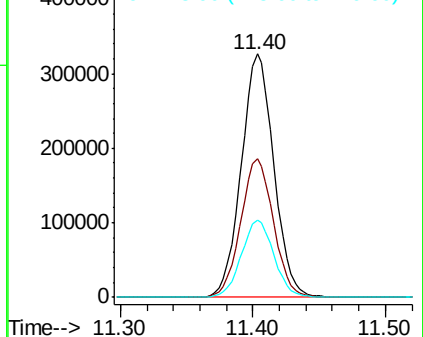
119 31.6 25.8 38.6



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): V



#71

Bromoform

Concen: 0.443 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.27 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

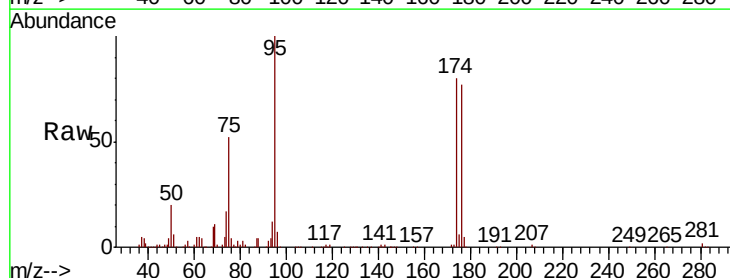
Tgt Ion:173 Resp: 1400

Ion Ratio Lower Upper

173 100

175 868.1 24.2 72.6#

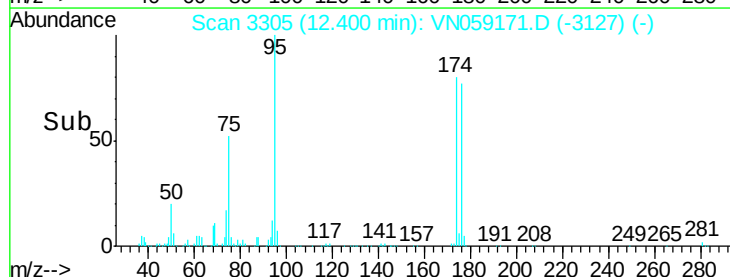
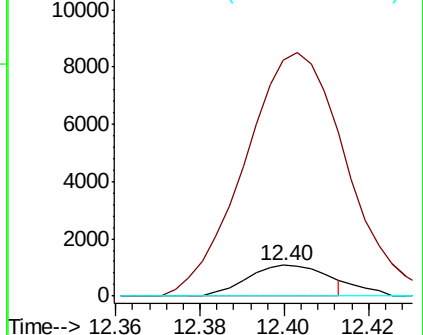
254 0.0 0.1 0.1#

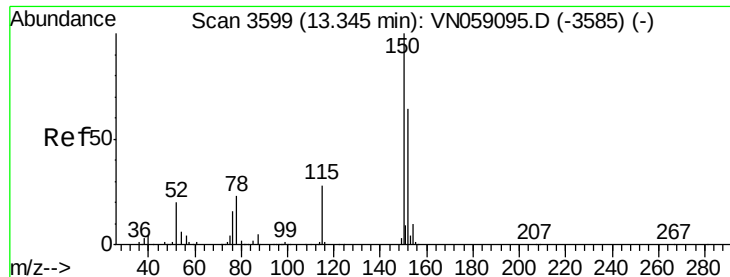


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



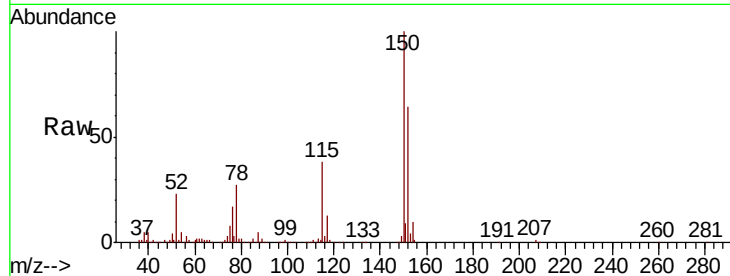


#72

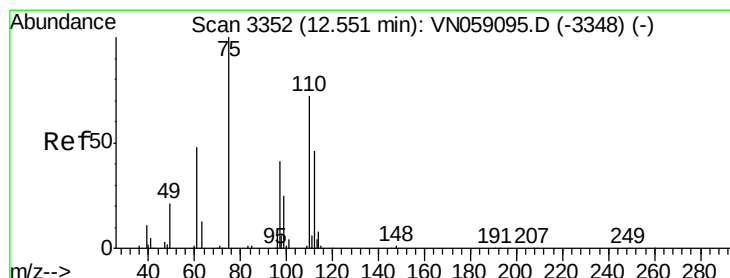
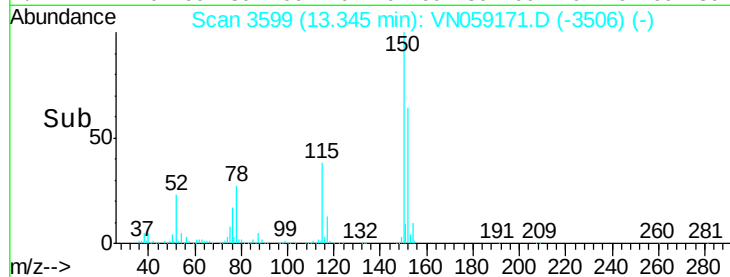
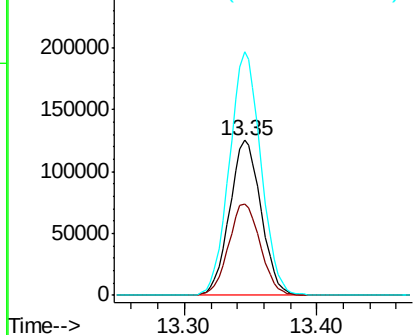
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. -0.00 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
115	59.7	29.4	88.2
150	157.3	0.0	345.8



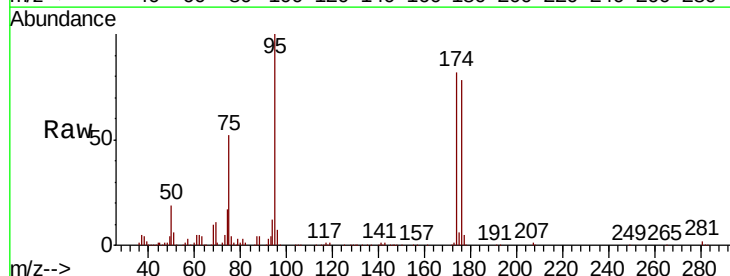
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



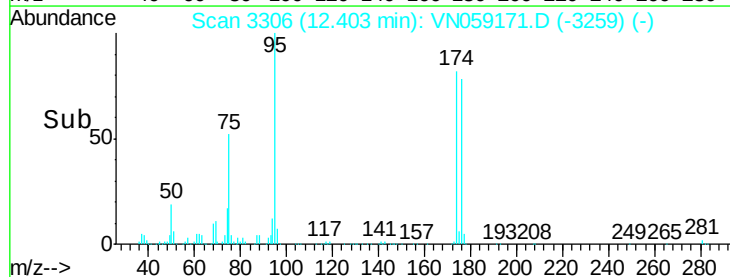
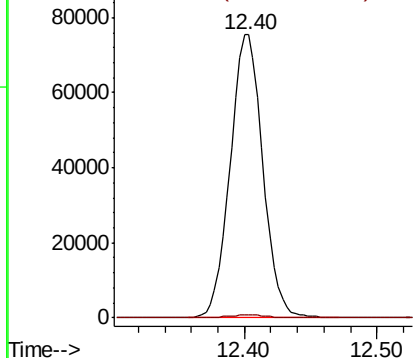
#76

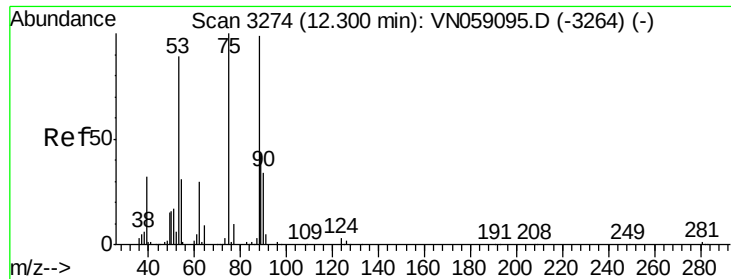
1,2,3-Trichloropropane
Concen: 27.358 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. -0.15 min
Lab File: VN059171.D
Acq: 11 Nov 2019 18:58

Tgt Ion	Ratio	Lower	Upper
75	100		
77	1.2	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: 72.259 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampled :

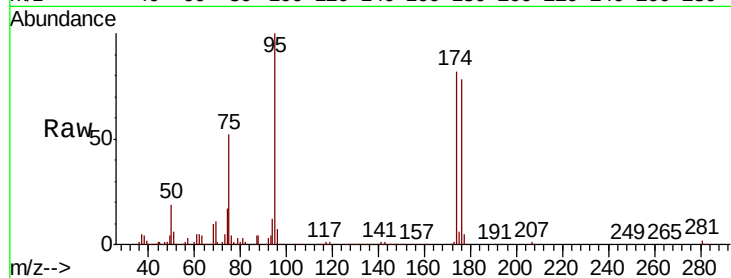
Tot Ion: 75 Resp: 128805

Ion Ratio Lower Upper

75 100

53 0.0 72.2 108.2#

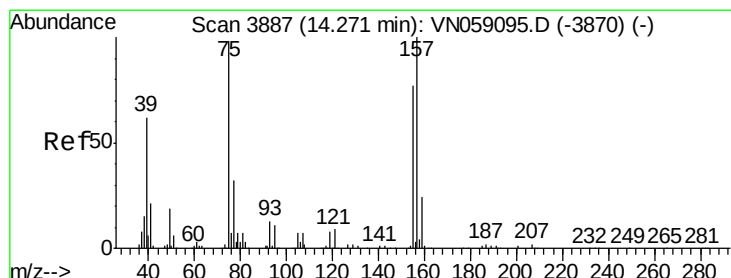
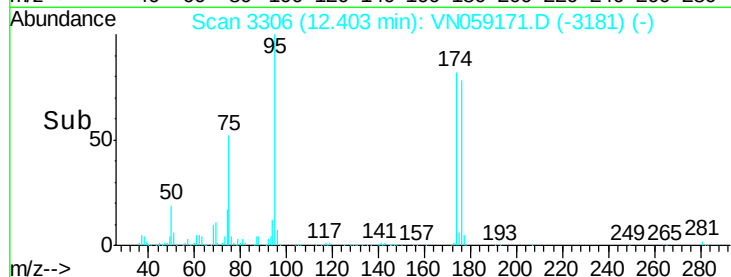
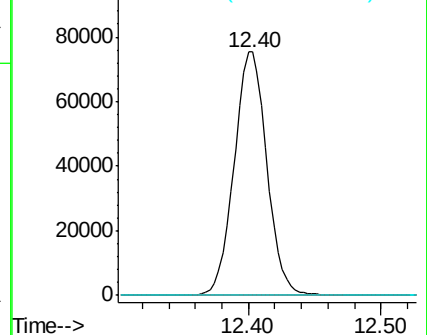
89 0.0 35.8 53.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0



#92

1,2-Dibromo-3-Chloropropane

Concen: 0.204 ug/l

RT: 14.29 min Scan# 3893

Delta R.T. 0.02 min

Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

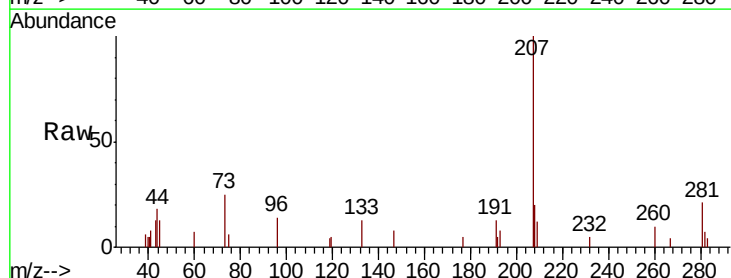
Tgt Ion: 75 Resp: 182

Ion Ratio Lower Upper

75 100

155 0.0 40.2 120.6#

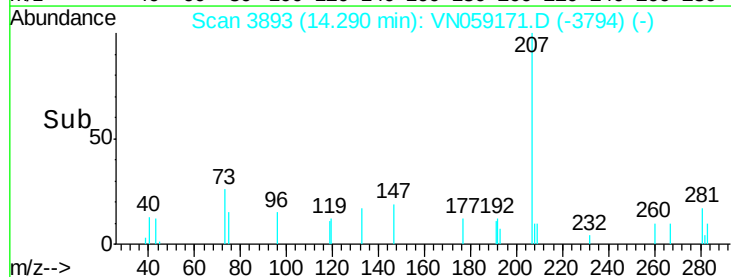
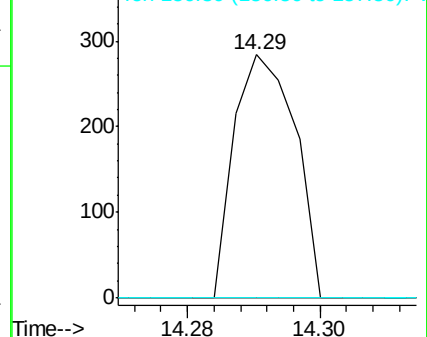
157 0.0 51.8 155.5#

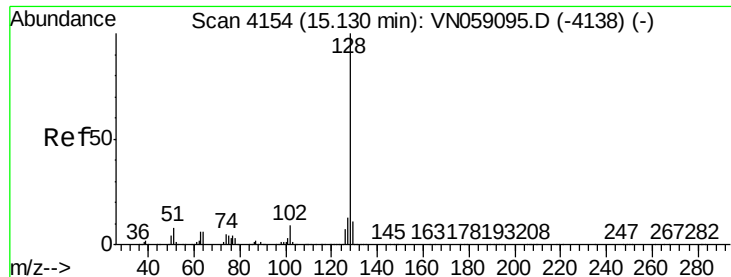


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 154.80 (154.50 to 155.50): V

Ion 156.80 (156.50 to 157.50): V





#95

Naphthalene

Concen: 3.166 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

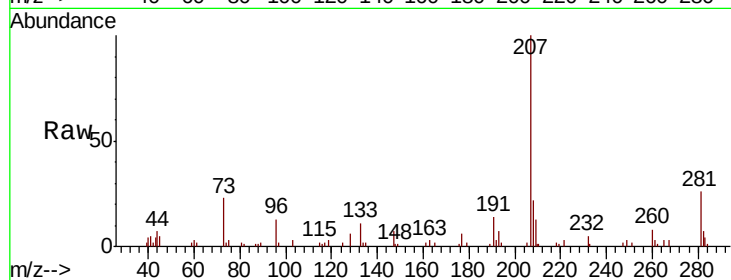
Lab File: VN059171.D

Acq: 11 Nov 2019 18:58

Instrument :

MSVOA_N

ClientSampleId :



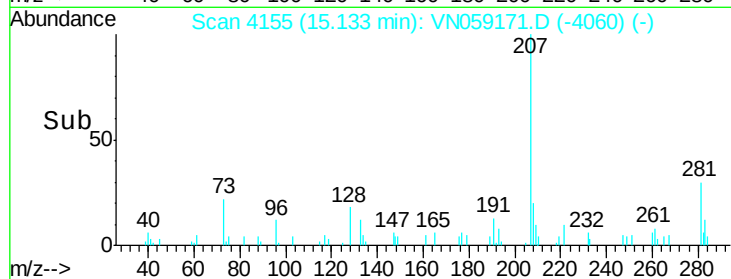
Tot Ion:128 Resp: 1383

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

