

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101319\
 Data File : VN058731.D
 Acq On : 12 Oct 2019 3:01
 Operator : JC/SP
 Sample : K5266-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 RAW-DISCRETE-CORE-C-1

Quant Time: Oct 12 06:11:03 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
 Quant Title : SW846 8260
 QLast Update : Sat Oct 12 00:00:30 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	386291	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	593842	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	537918	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	219670	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	273588	50.59	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	101.18%	
35) Dibromofluoromethane	7.57	113	197952	53.97	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	107.94%	
50) Toluene-d8	10.08	98	771852	52.62	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	105.24%	
62) 4-Bromofluorobenzene	12.40	95	257446	46.37	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	92.74%	

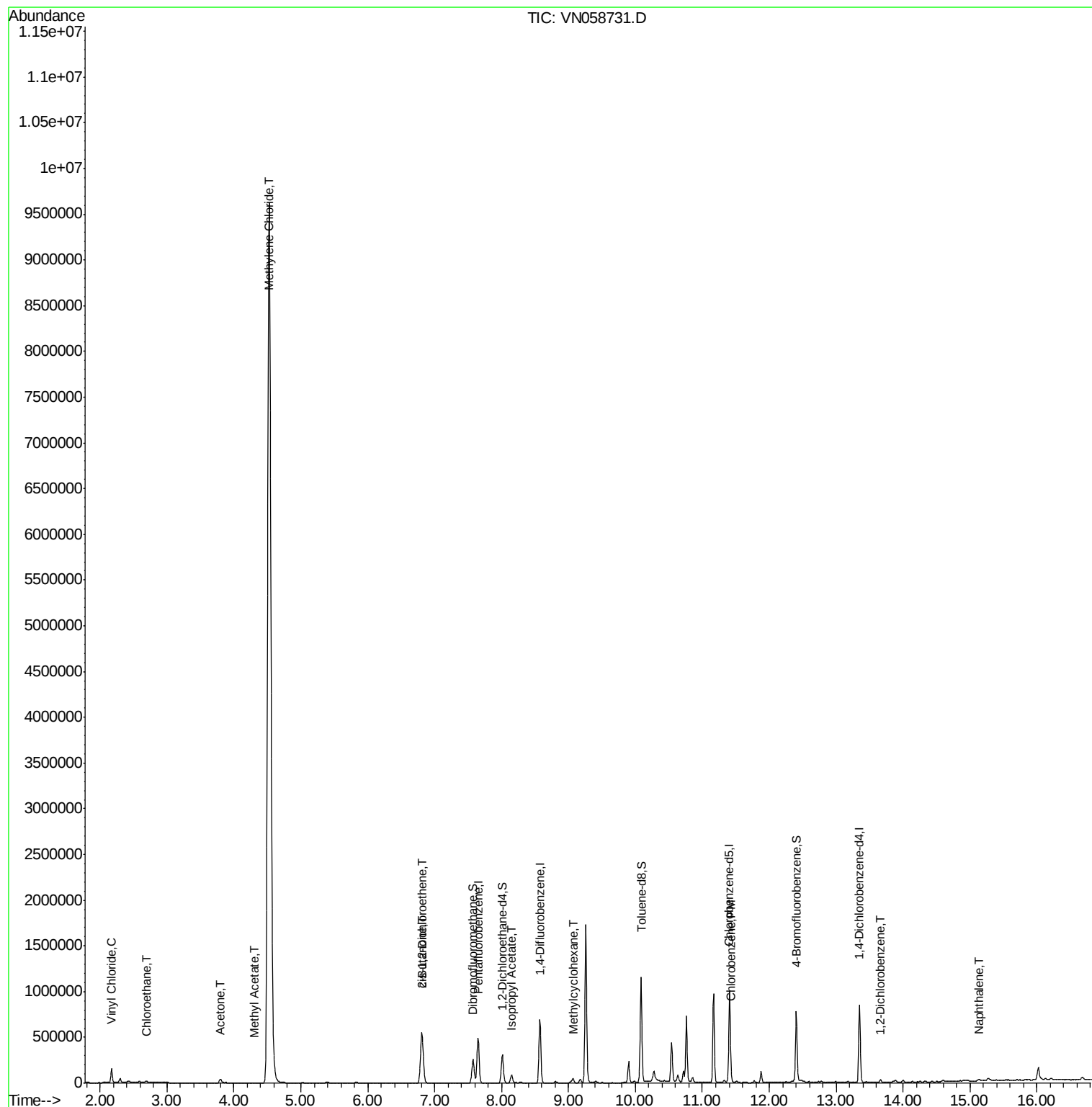
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.17	62	139131	24.418	ug/l	100
6) Chloroethane	2.69	64	12042	3.426	ug/l	96
16) Acetone	3.80	43	69602	31.088	ug/l	99
18) Methyl Acetate	4.31	43	6689	1.178	ug/l #	75
20) Methylene Chloride	4.53	84	7743700	1654.931	ug/l #	80
25) 2-Butanone	6.82	43	19722	6.094	ug/l #	75
27) cis-1,2-Dichloroethene	6.81	96	344704	71.235	ug/l	88
39) Methylcyclohexane	9.07	83	17144	2.461	ug/l #	87
43) Isopropyl Acetate	8.15	43	101265	9.789	ug/l #	90
65) Chlorobenzene	11.43	112	16195	1.483	ug/l	93
91) 1,2-Dichlorobenzene	13.66	146	11373	1.635	ug/l	97
95) Naphthalene	15.13	128	13135	1.077	ug/l	96

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

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RAW-DISCRETE-CORE-C-1

Quant Time: Oct 12 06:11:03 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N101319W.M
Quant Title : SW846 8260
QLast Update : Sat Oct 12 00:00:30 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

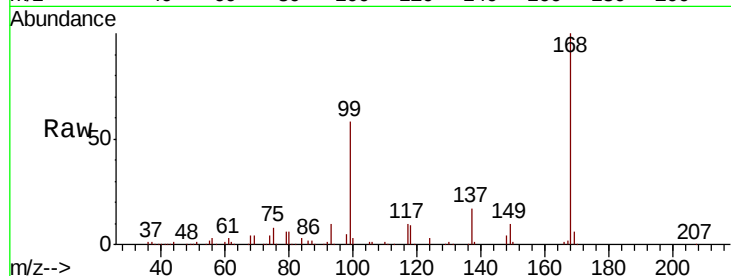
RAW-DISCRETE-CORE-C-1

Tot Ion:168 Resp: 386291

Ion Ratio Lower Upper

168 100

99 58.1 47.5 71.3



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

150000

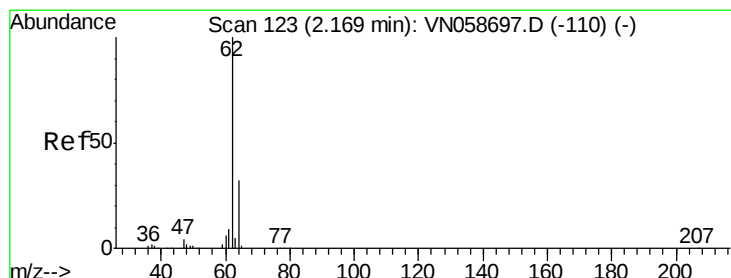
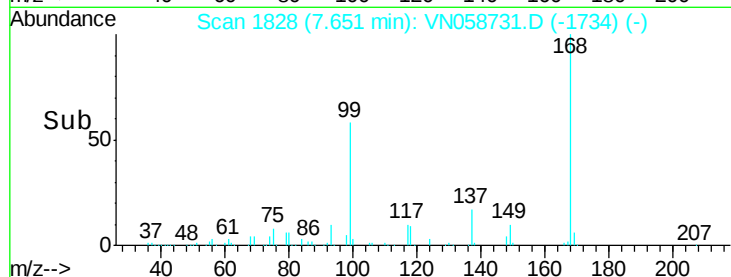
100000

50000

0

7.60 7.70

Time-->



#4

Vinyl Chloride

Concen: 24.418 ug/l

RT: 2.17 min Scan# 124

Delta R.T. 0.00 min

Lab File: VN058731.D

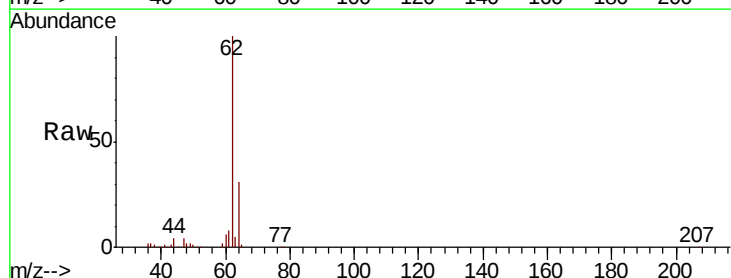
Acq: 12 Oct 2019 3:01

Tgt Ion: 62 Resp: 139131

Ion Ratio Lower Upper

62 100

64 31.5 25.3 37.9



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.17

100000

80000

60000

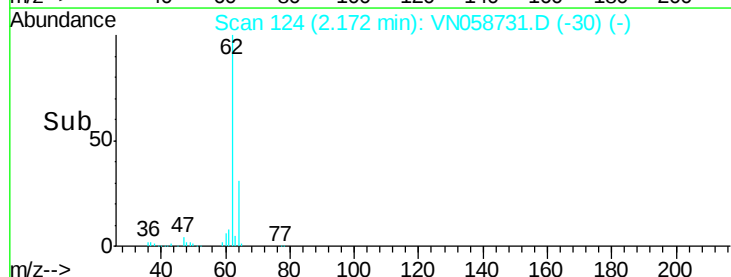
40000

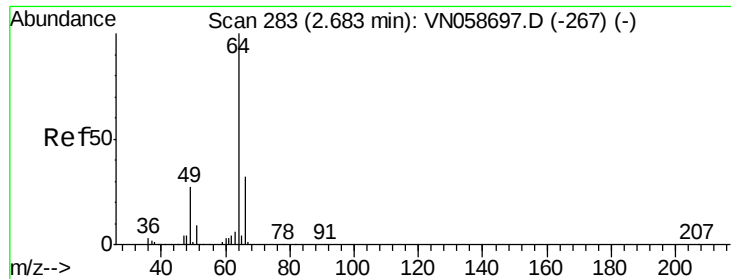
20000

0

2.10 2.15 2.20 2.25

Time-->





#6

Chloroethane

Concen: 3.426 ug/l

RT: 2.69 min Scan# 285

Delta R.T. 0.01 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

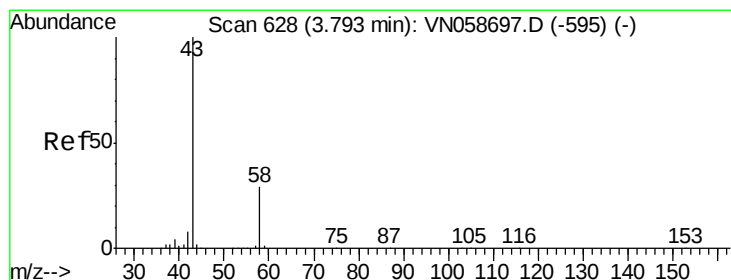
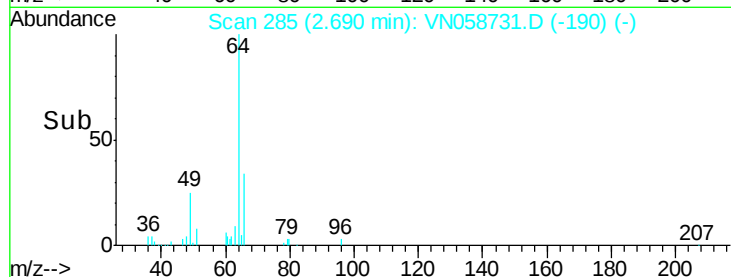
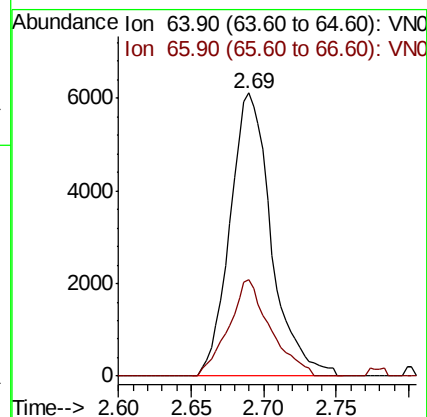
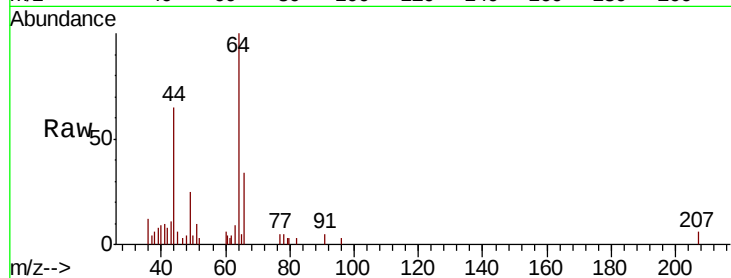
RAW-DISCRETE-CORE-C-1

Tot Ion: 64 Resp: 12042

Ion Ratio Lower Upper

64 100

66 34.1 25.4 38.2



#16

Acetone

Concen: 31.088 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058731.D

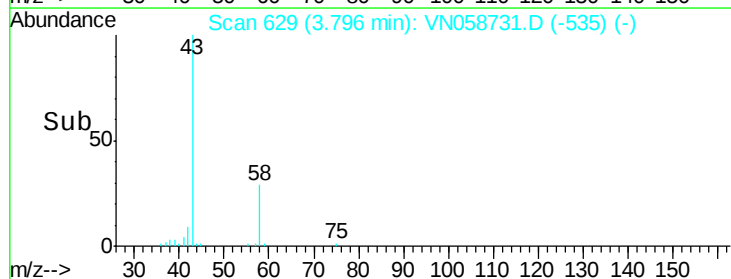
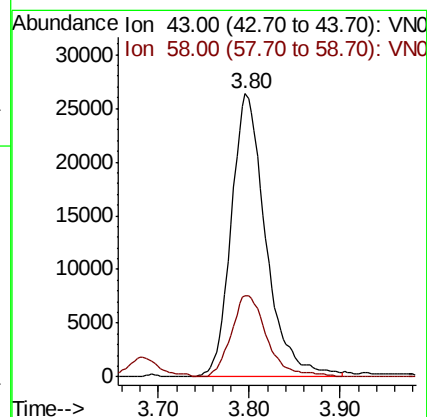
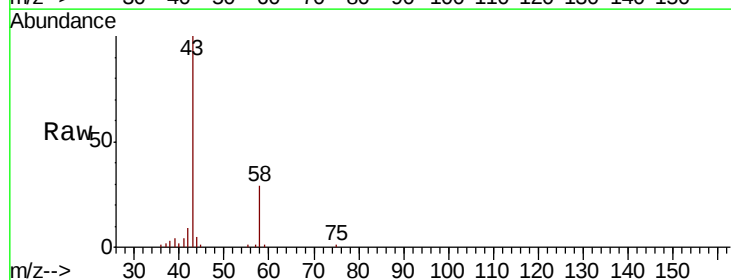
Acq: 12 Oct 2019 3:01

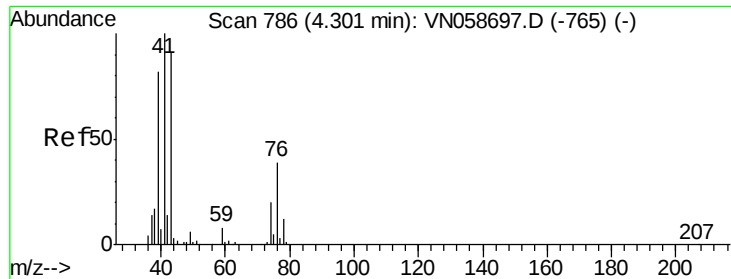
Tgt Ion: 43 Resp: 69602

Ion Ratio Lower Upper

43 100

58 28.7 23.3 34.9

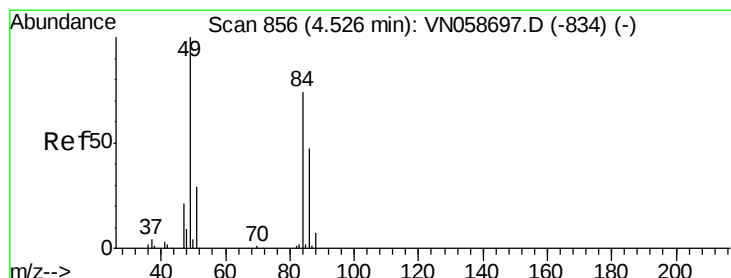
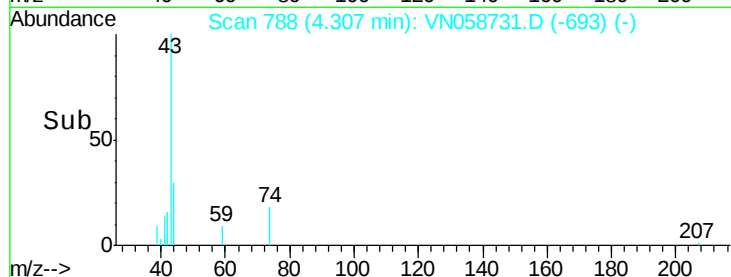
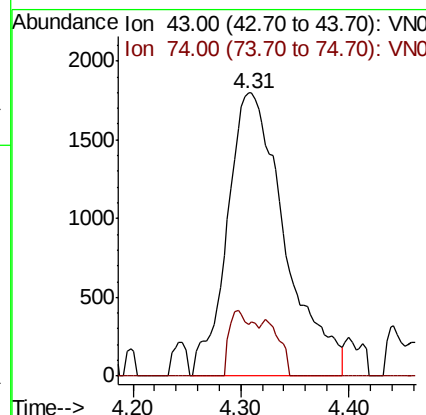
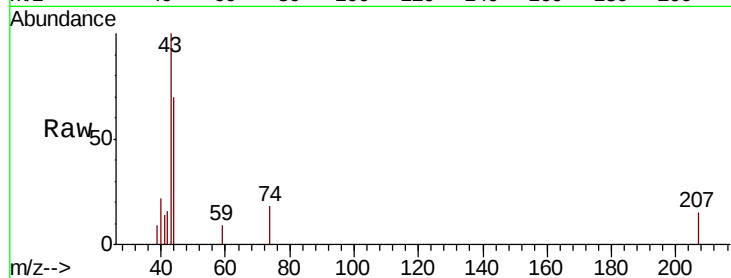




#18
Methyl Acetate
Concen: 1.178 ug/l
RT: 4.31 min Scan# 788
Delta R.T. 0.01 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

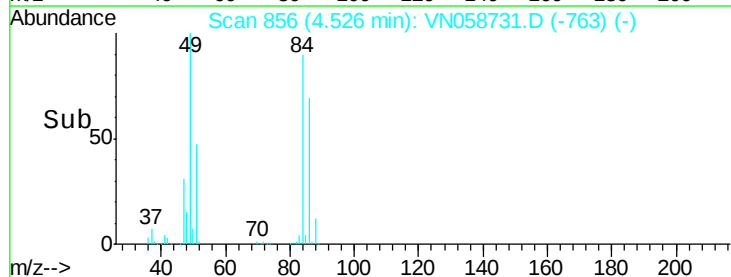
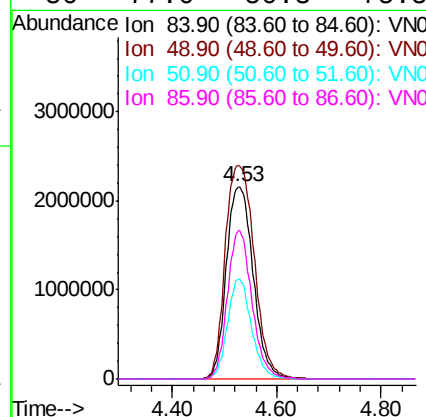
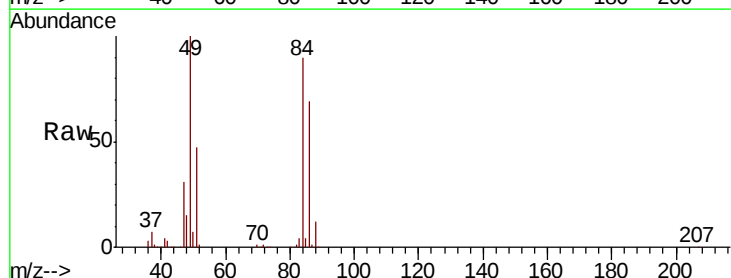
Instrument :
MSVOA_N
ClientSampleId :
RAW-DISCRETE-CORE-C-1

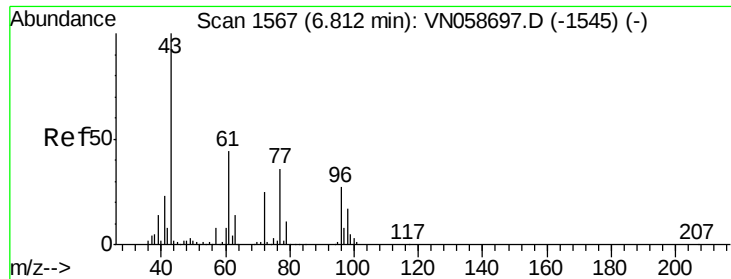
Tot Ion: 43 Resp: 6689
Ion Ratio Lower Upper
43 100
74 9.9 17.2 25.8#



#20
Methylene Chloride
Concen: 1654.931 ug/l
RT: 4.53 min Scan# 856
Delta R.T. -0.00 min
Lab File: VN058731.D
Acq: 12 Oct 2019 3:01

Tgt Ion: 84 Resp: 7743700
Ion Ratio Lower Upper
84 100
49 111.2 107.6 161.4
51 52.3 31.4 47.0#
86 77.0 50.3 75.5#





#25

2-Butanone

Concen: 6.094 ug/l

RT: 6.82 min Scan# 1569

Delta R.T. 0.01 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

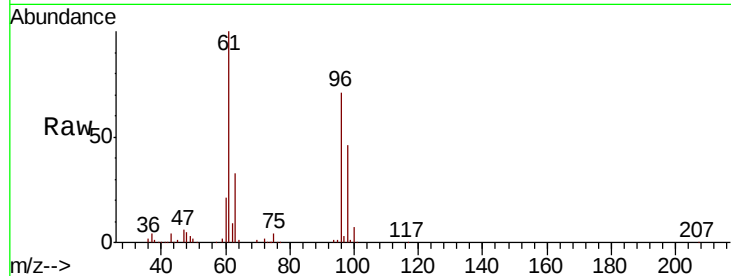
RAW-DISCRETE-CORE-C-1

Tot Ion: 43 Resp: 19722

Ion Ratio Lower Upper

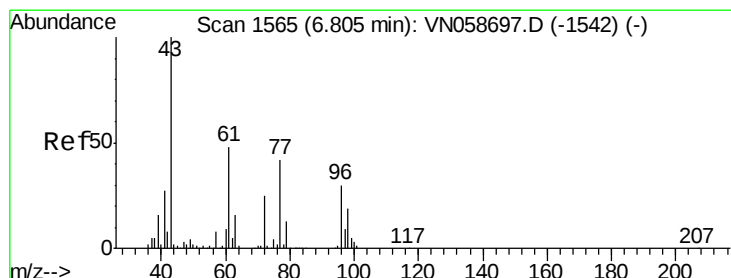
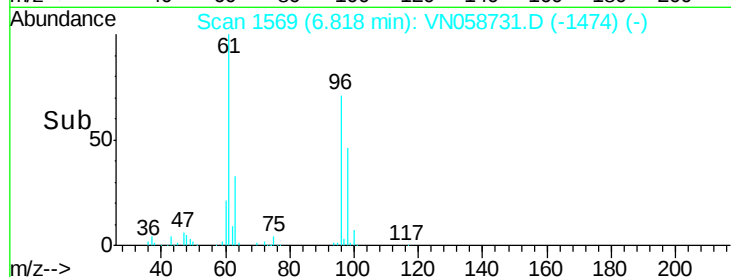
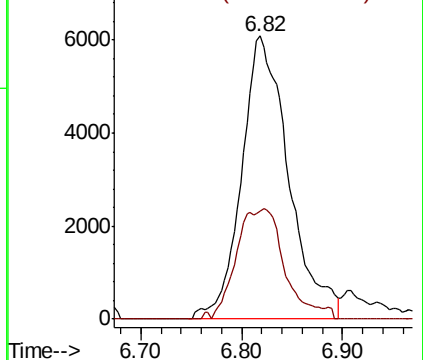
43 100

72 38.0 20.2 30.2#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#27

cis-1,2-Dichloroethene

Concen: 71.235 ug/l

RT: 6.81 min Scan# 1566

Delta R.T. 0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

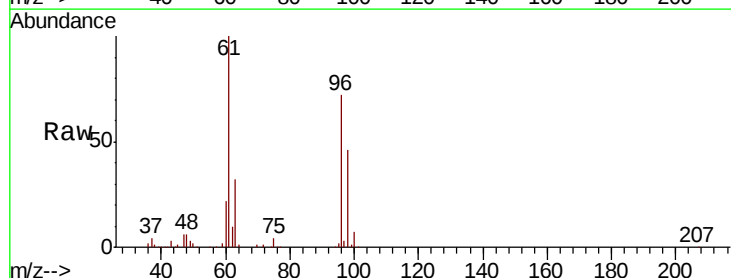
Tgt Ion: 96 Resp: 344704

Ion Ratio Lower Upper

96 100

61 140.2 0.0 324.8

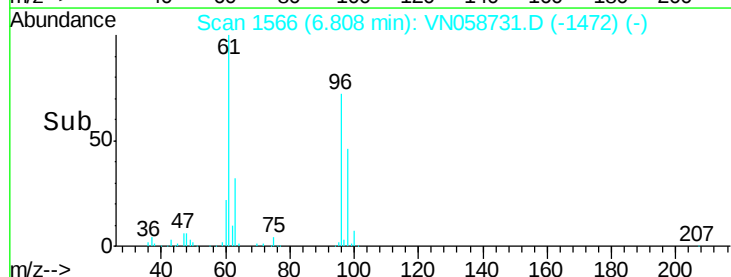
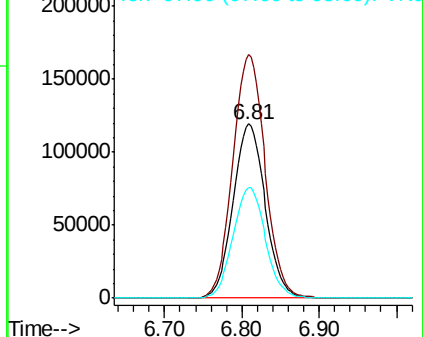
98 64.0 0.0 129.2

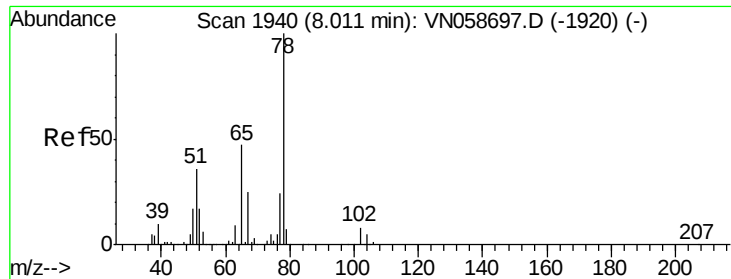


Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0

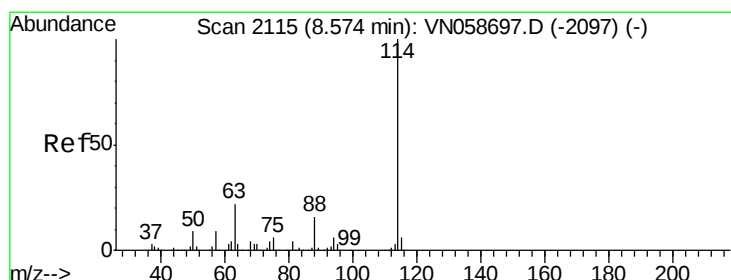
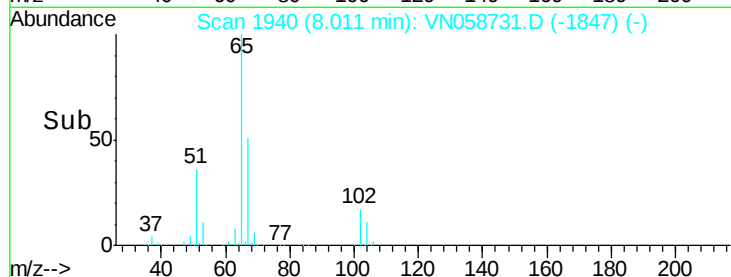
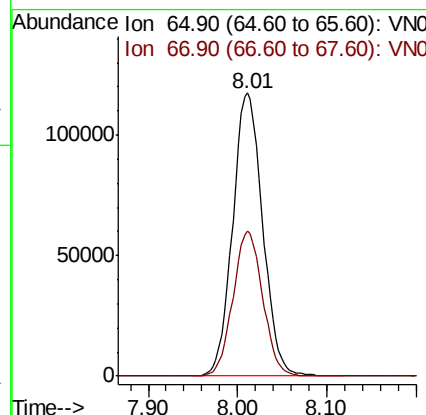
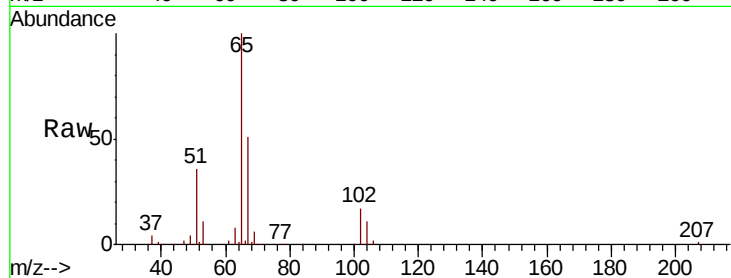




#33
 1,2-Dichloroethane-d4
 Concen: 50.589 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

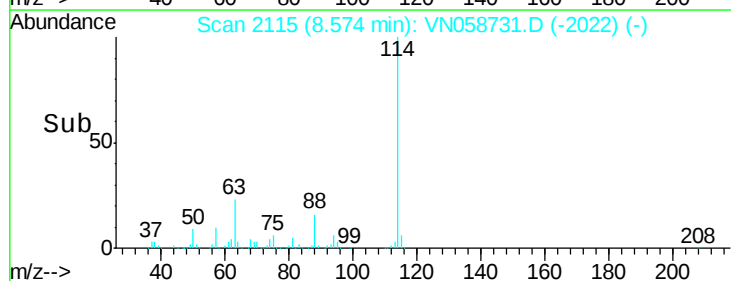
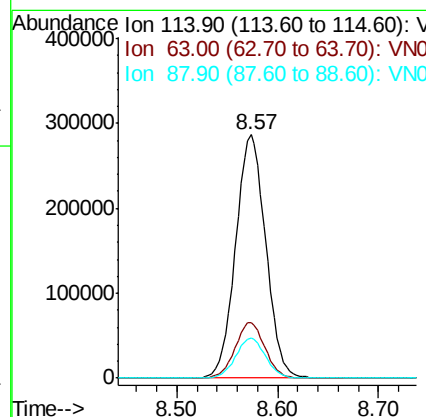
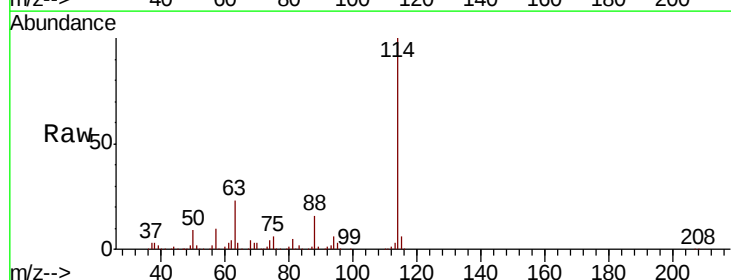
Instrument :
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 RAW-DISCRETE-CORE-C-1

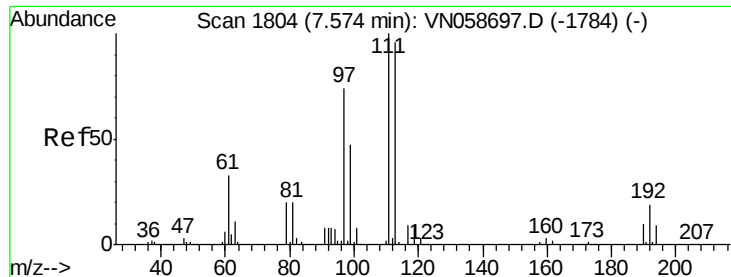
Tot Ion: 65 Resp: 273588
 Ion Ratio Lower Upper
 65 100
 67 50.8 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058731.D
 Acq: 12 Oct 2019 3:01

Tgt Ion: 114 Resp: 593842
 Ion Ratio Lower Upper
 114 100
 63 22.8 0.0 43.8
 88 16.3 0.0 32.0





#35

Dibromofluoromethane

Concen: 53.967 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

RAW-DISCRETE-CORE-C-1

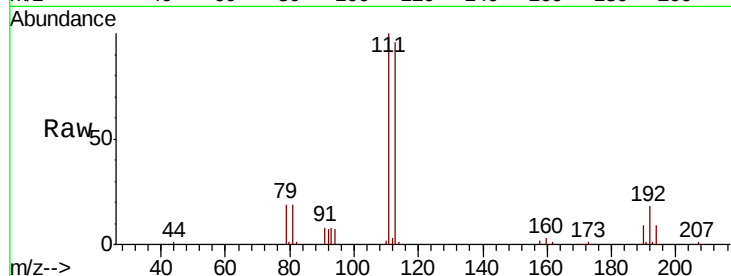
Tot Ion:113 Resp: 197952

Ion Ratio Lower Upper

113 100

111 102.9 82.3 123.5

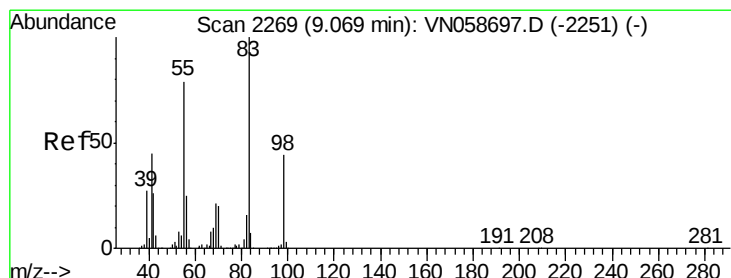
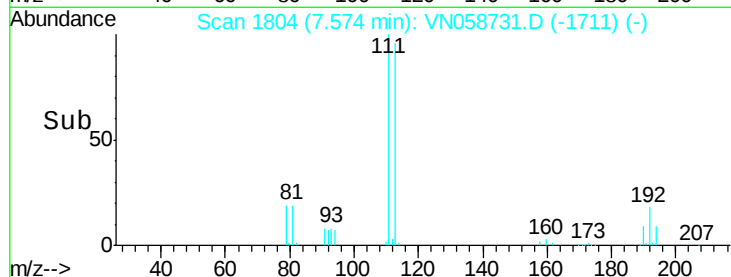
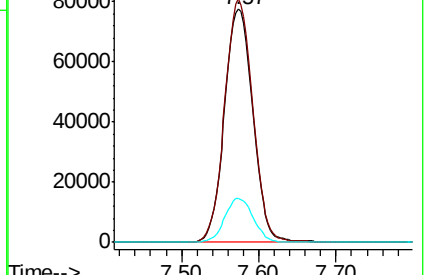
192 18.8 15.0 22.6



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



#39

Methylcyclohexane

Concen: 2.461 ug/l

RT: 9.07 min Scan# 2270

Delta R.T. 0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

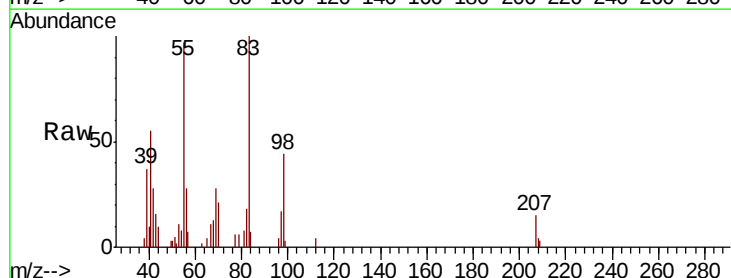
Tgt Ion: 83 Resp: 17144

Ion Ratio Lower Upper

83 100

55 96.8 63.4 95.0#

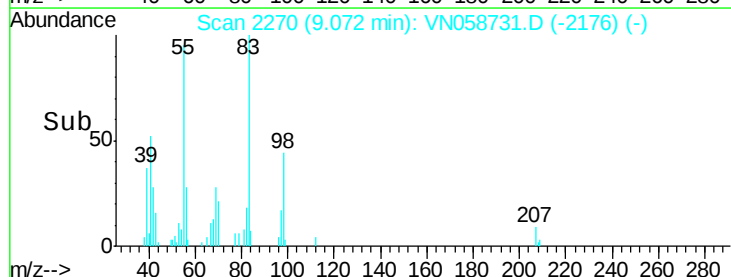
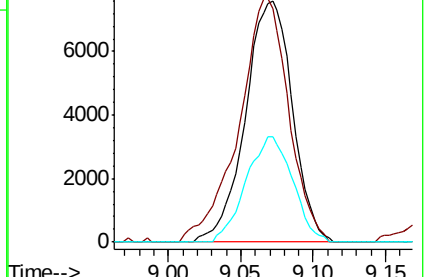
98 43.6 35.1 52.7

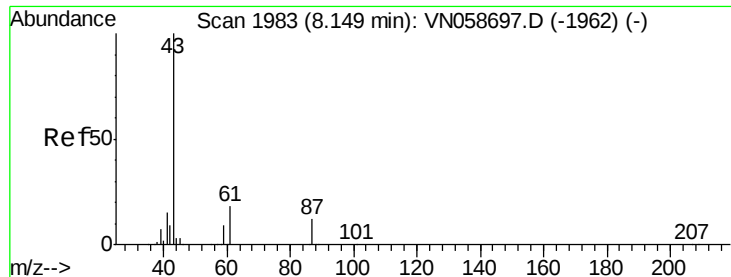


Abundance Ion 83.00 (82.70 to 83.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 98.00 (97.70 to 98.70): VNO





#43

Isopropyl Acetate

Concen: 9.789 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

RAW-DISCRETE-CORE-C-1

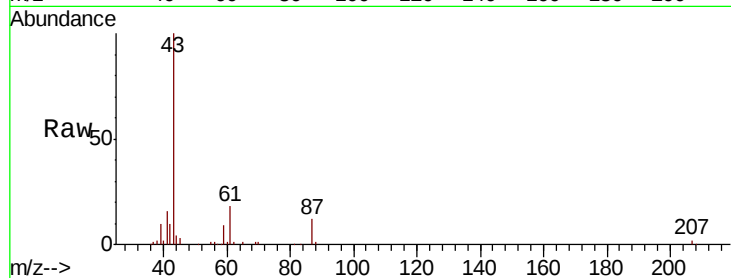
Tot Ion: 43 Resp: 101265

Ion Ratio Lower Upper

43 100

61 17.9 20.3 30.5#

87 11.8 9.8 14.6

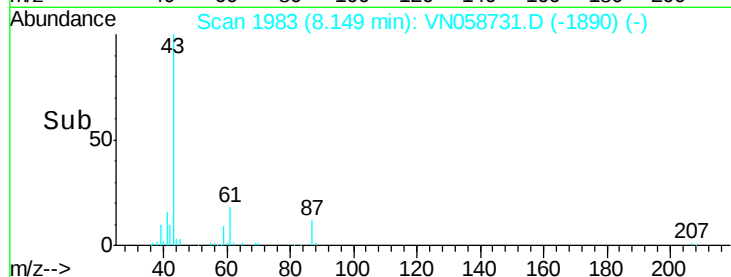


Abundance Ion 43.00 (42.70 to 43.70): VN058731.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058731.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058731.D (-1890) (-)

Time-->



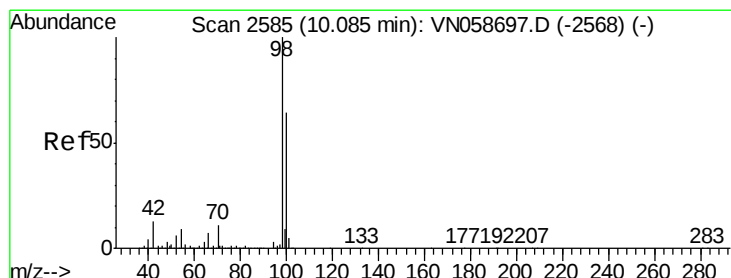
Abundance

Ion 43.00 (42.70 to 43.70): VN058731.D (-1890) (-)

Ion 61.00 (60.70 to 61.70): VN058731.D (-1890) (-)

Ion 87.00 (86.70 to 87.70): VN058731.D (-1890) (-)

Time-->



#50

Toluene-d8

Concen: 52.622 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058731.D

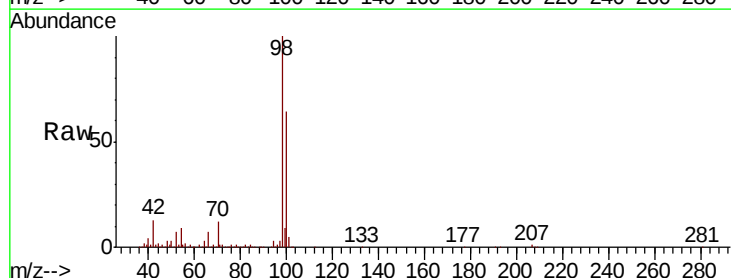
Acq: 12 Oct 2019 3:01

Tgt Ion: 98 Resp: 771852

Ion Ratio Lower Upper

98 100

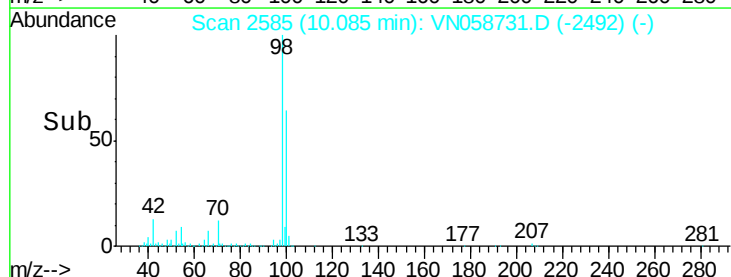
100 64.3 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058731.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058731.D (-2492) (-)

Time-->

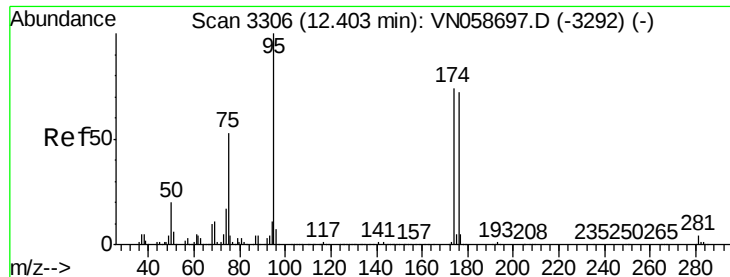


Abundance

Ion 98.00 (97.70 to 98.70): VN058731.D (-2492) (-)

Ion 100.00 (99.70 to 100.70): VN058731.D (-2492) (-)

Time-->



#62

4-Bromofluorobenzene

Concen: 46.368 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

RAW-DISCRETE-CORE-C-1

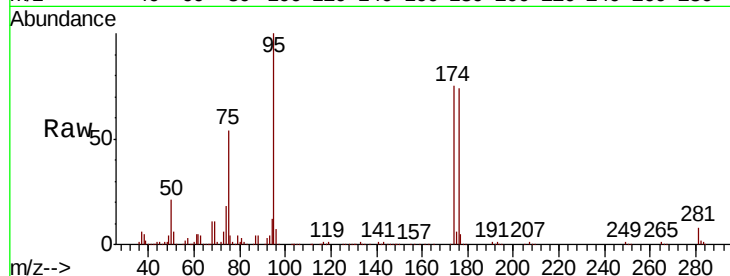
Tot Ion: 95 Resp: 257446

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.4

176 73.9 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058731.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058731.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058731.D (-3213) (-)

12.40

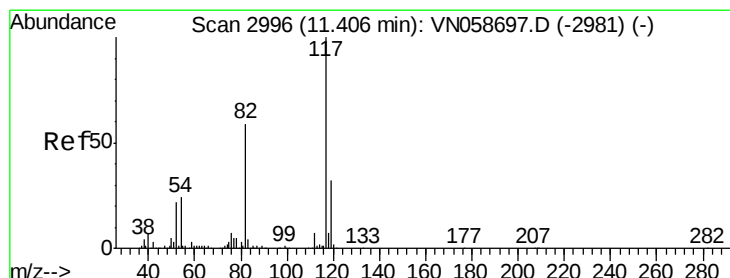
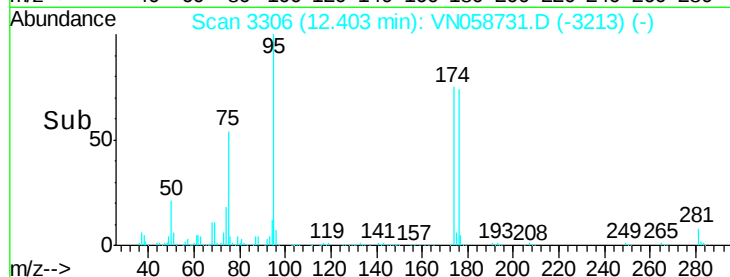
150000

100000

50000

0

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

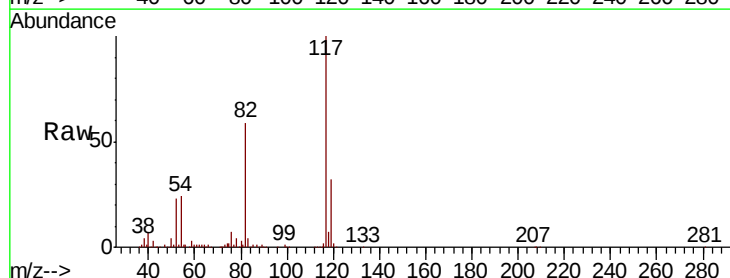
Tgt Ion: 117 Resp: 537918

Ion Ratio Lower Upper

117 100

82 59.2 47.0 70.4

119 32.1 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN058731.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058731.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058731.D (-2903) (-)

11.41

400000

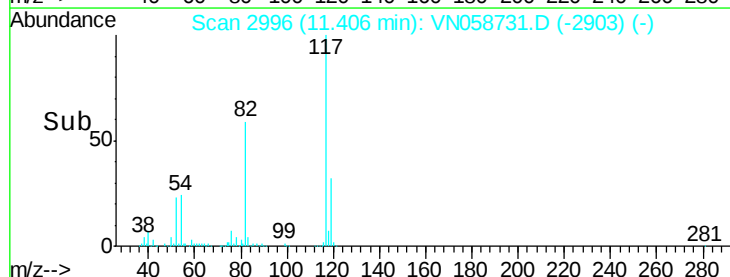
300000

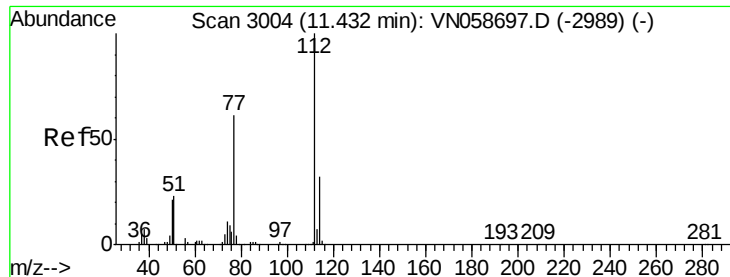
200000

100000

0

Time-->





#65

Chlorobenzene

Concen: 1.483 ug/l

RT: 11.43 min Scan# 3004

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

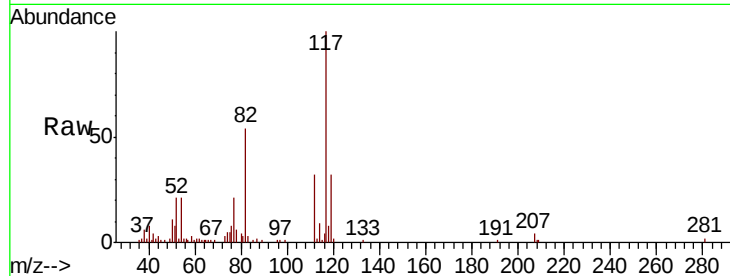
RAW-DISCRETE-CORE-C-1

Tot Ion:112 Resp: 16195

Ion Ratio Lower Upper

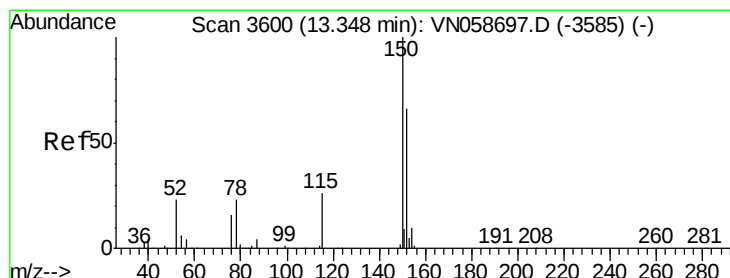
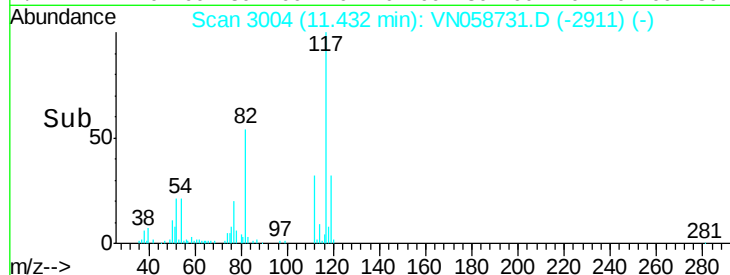
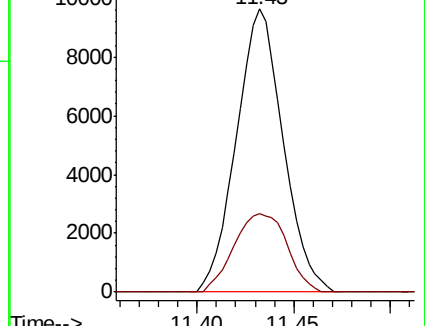
112 100

114 27.5 25.2 37.8



Abundance Ion 111.90 (111.60 to 112.60): V

Ion 113.90 (113.60 to 114.60): V



#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

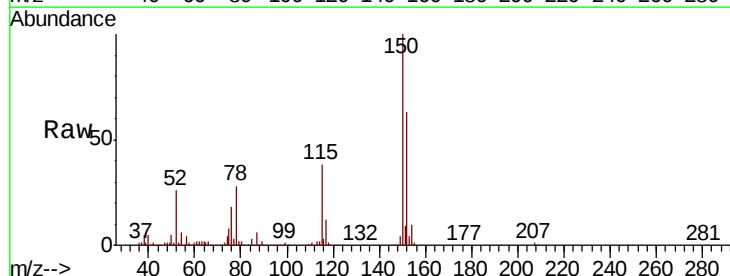
Tgt Ion:152 Resp: 219670

Ion Ratio Lower Upper

152 100

115 59.8 30.4 91.2

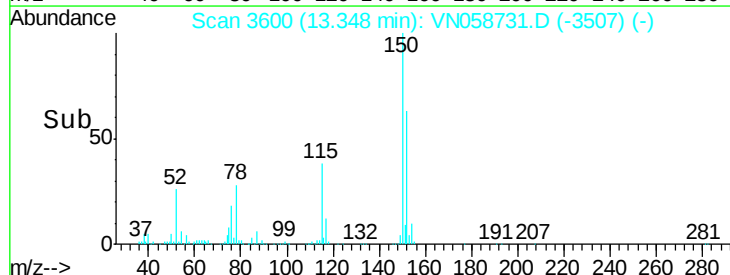
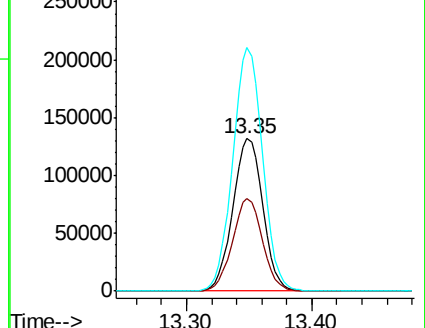
150 158.6 0.0 345.4

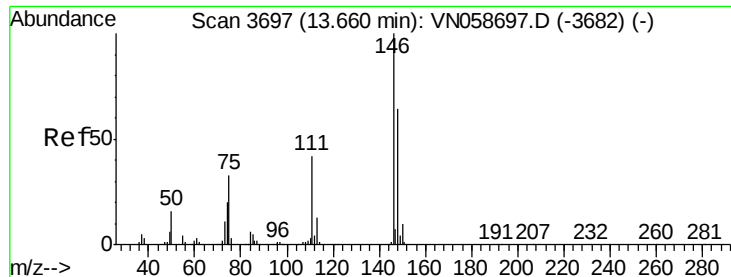


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#91

1,2-Dichlorobenzene

Concen: 1.635 ug/l

RT: 13.66 min Scan# 3697

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

Instrument :

MSVOA_N

ClientSampleId :

RAW-DISCRETE-CORE-C-1

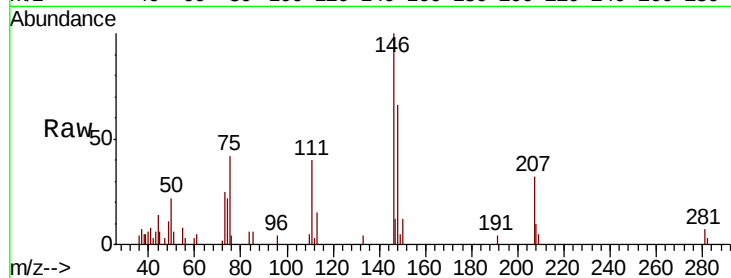
Tot Ion:146 Resp: 11373

Ion Ratio Lower Upper

146 100

111 39.6 21.1 63.4

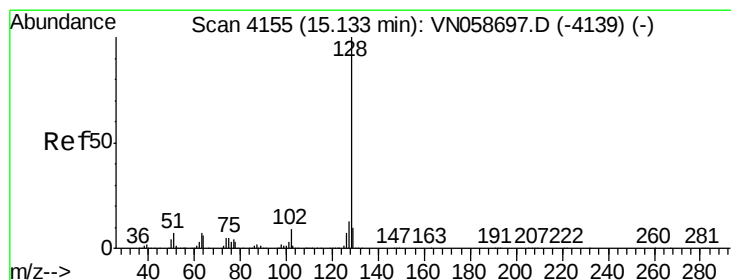
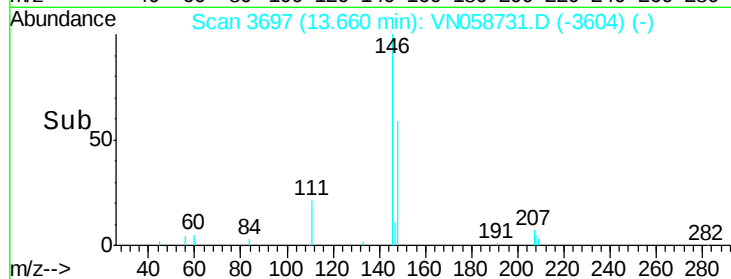
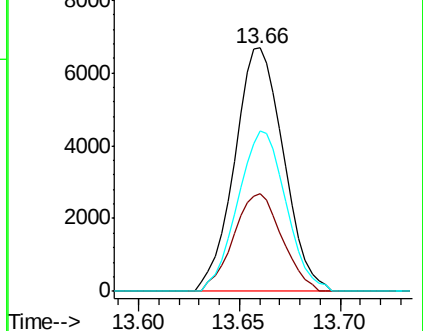
148 64.7 31.8 95.3



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#95

Naphthalene

Concen: 1.077 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. -0.00 min

Lab File: VN058731.D

Acq: 12 Oct 2019 3:01

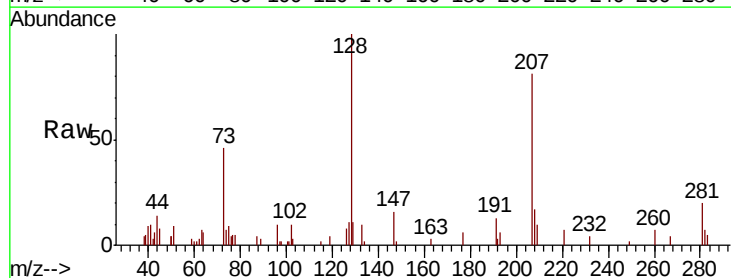
Tgt Ion:128 Resp: 13135

Ion Ratio Lower Upper

128 100

127 10.8 10.2 15.4

129 9.3 8.5 12.7



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

