

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101619\
 Data File : VN058804.D
 Acq On : 16 Oct 2019 16:11
 Operator : JC/SP
 Sample : K5399-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 17 01:34:03 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	397050	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	623678	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	550310	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	202256	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	293525	52.81	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.62%	
35) Dibromofluoromethane	7.57	113	213471	55.41	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.82%	
50) Toluene-d8	10.08	98	794432	51.57	ug/l	0.00
Spiked Amount	50.000		Recovery	=	103.14%	
62) 4-Bromofluorobenzene	12.40	95	252213	43.25	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.50%	

Target Compounds

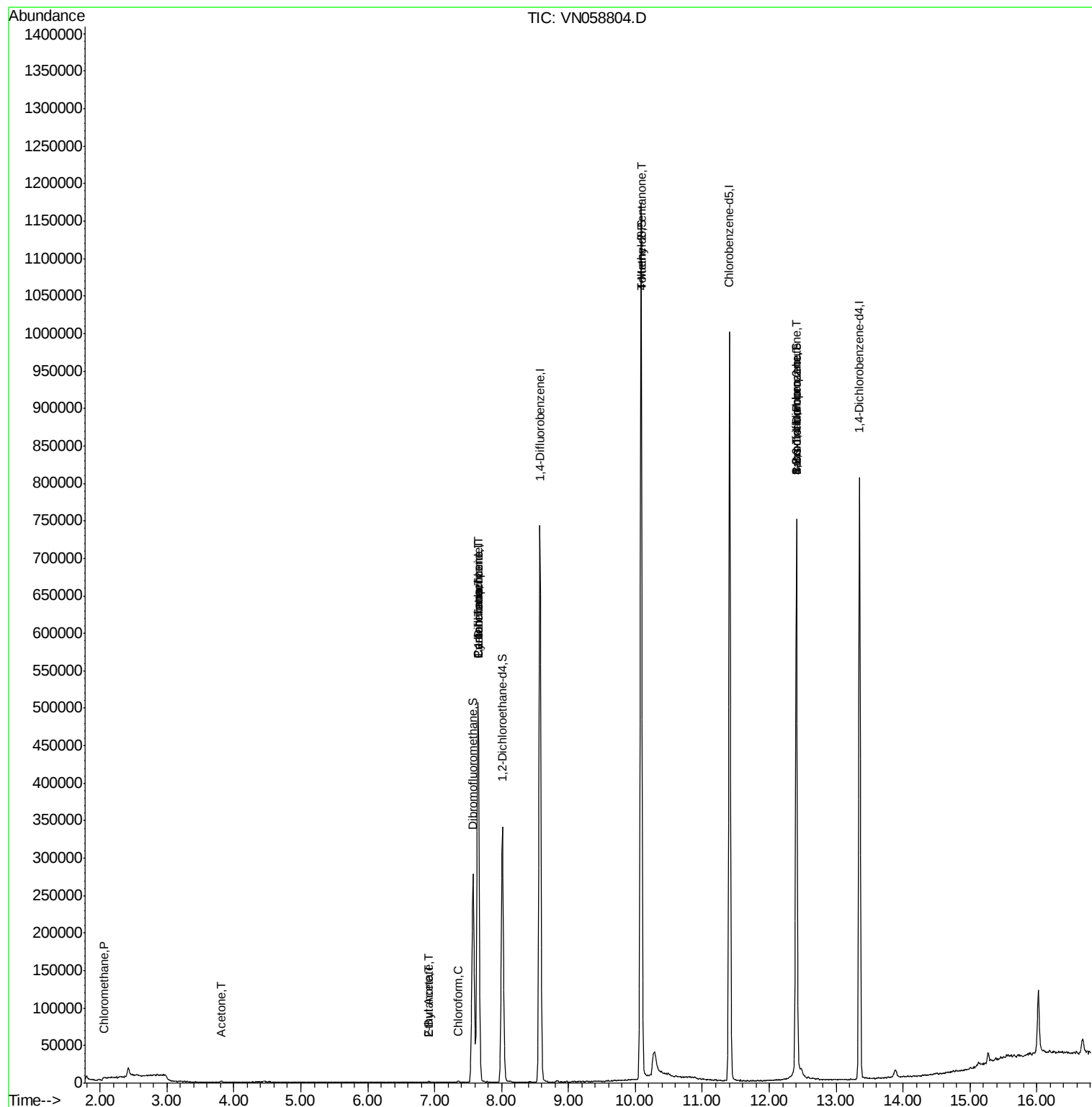
					Qvalue	
3) Chloromethane	2.04	50	1242	0.211	ug/l	90
16) Acetone	3.80	43	833	0.362	ug/l #	85
25) 2-Butanone	6.92	43	1926	0.579	ug/l #	50
30) Chloroform	7.35	83	1765	0.206	ug/l #	54
31) Cyclohexane	7.65	56	9739	1.194	ug/l #	1
36) 1,1-Dichloropropene	7.65	75	33712	5.346	ug/l #	50
37) Ethyl Acetate	6.92	43	1926	0.302	ug/l #	77
38) Carbon Tetrachloride	7.65	117	40387	6.572	ug/l #	17
51) 4-Methyl-2-Pentanone	10.08	43	4430	0.726	ug/l #	1
71) Bromoform	12.40	173	1550	0.512	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	135445	30.526	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	135445	81.770	ug/l #	11

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

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ALS Vial : 15 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Oct 17 01:34:03 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: VN058804.D

Acq: 16 Oct 2019 16:11

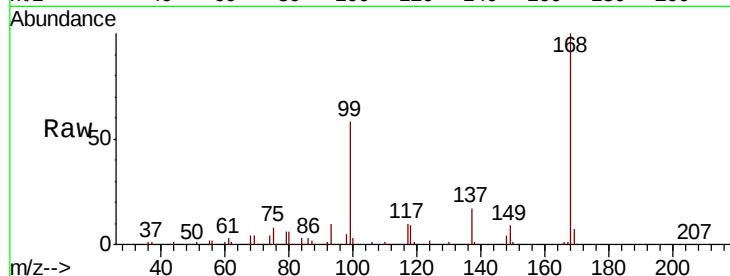
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 397050

Ion Ratio Lower Upper

168 100

99 58.3 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

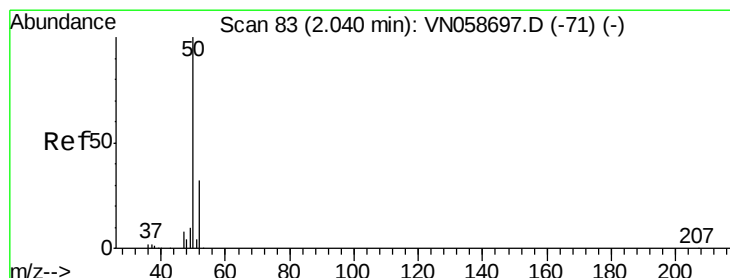
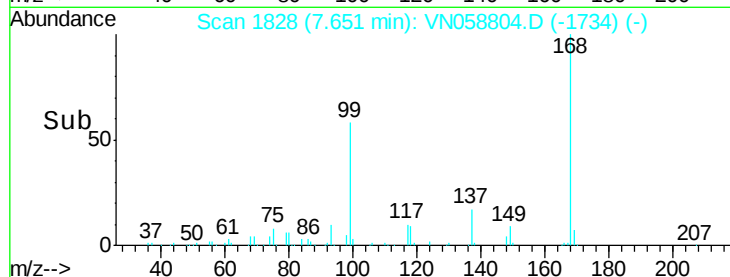
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.211 ug/l

RT: 2.04 min Scan# 84

Delta R.T. 0.00 min

Lab File: VN058804.D

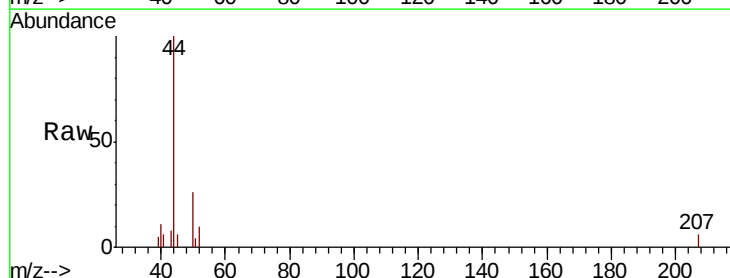
Acq: 16 Oct 2019 16:11

Tgt Ion: 50 Resp: 1242

Ion Ratio Lower Upper

50 100

52 37.9 25.8 38.6



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

1000

800

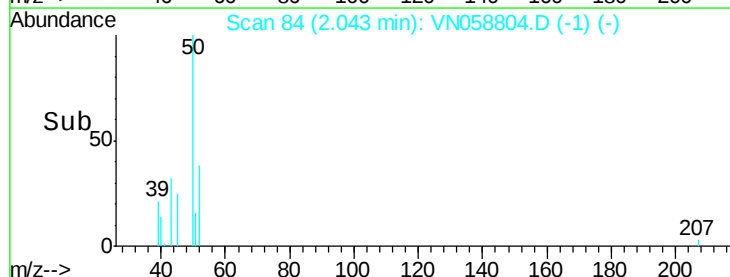
600

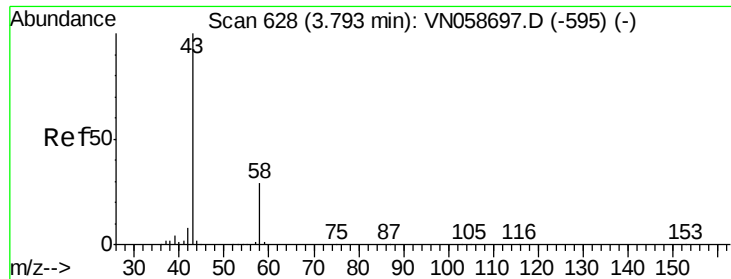
400

200

0

Time-->





#16

Acetone

Concen: 0.362 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :

MSVOA_N

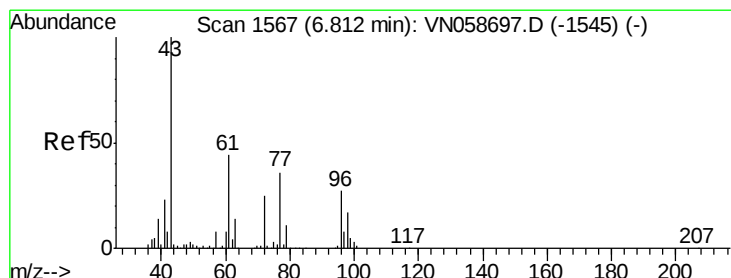
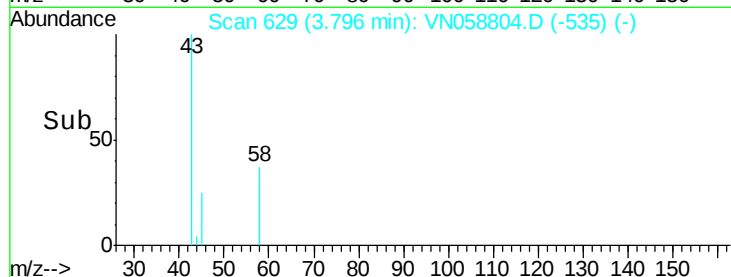
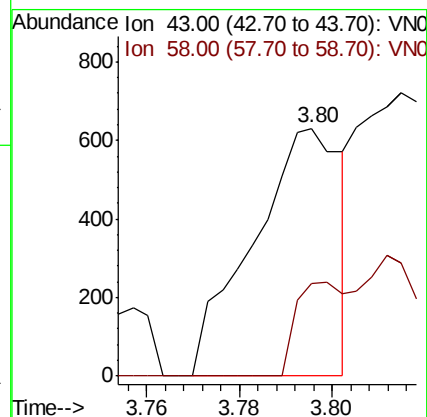
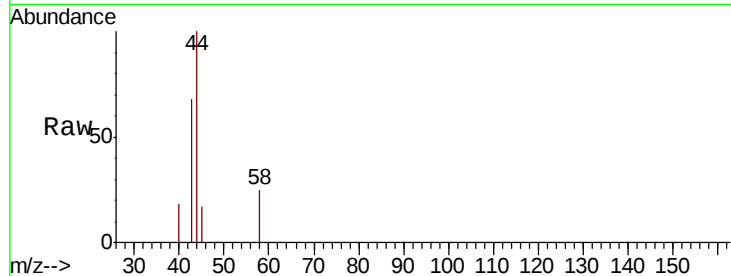
ClientSampled :

Tot Ion: 43 Resp: 833

Ion Ratio Lower Upper

43 100

58 37.2 23.3 34.9#



#25

2-Butanone

Concen: 0.579 ug/l

RT: 6.92 min Scan# 1600

Delta R.T. 0.11 min

Lab File: VN058804.D

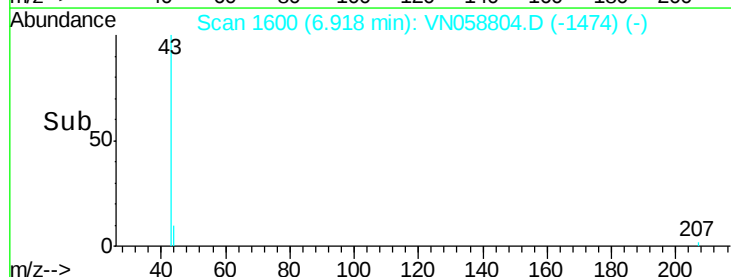
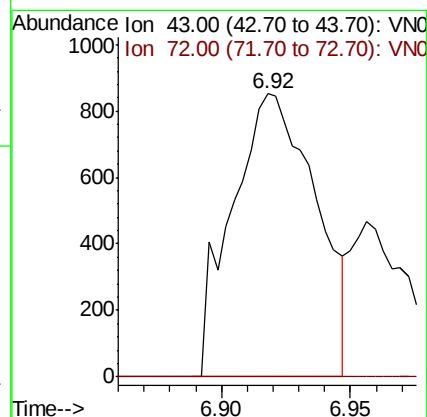
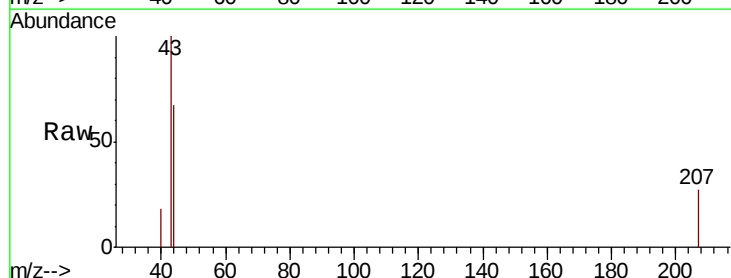
Acq: 16 Oct 2019 16:11

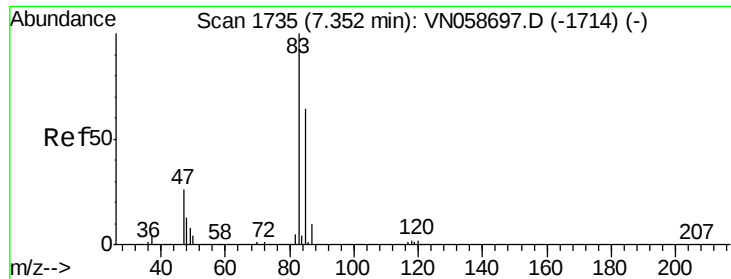
Tgt Ion: 43 Resp: 1926

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#

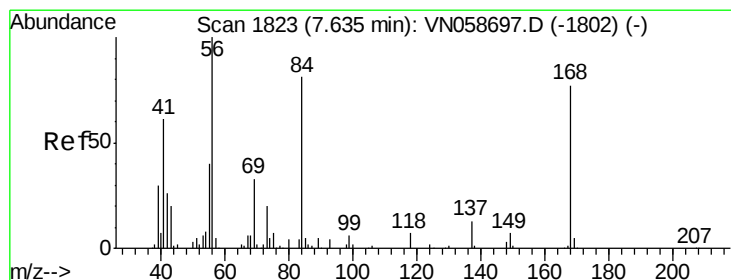
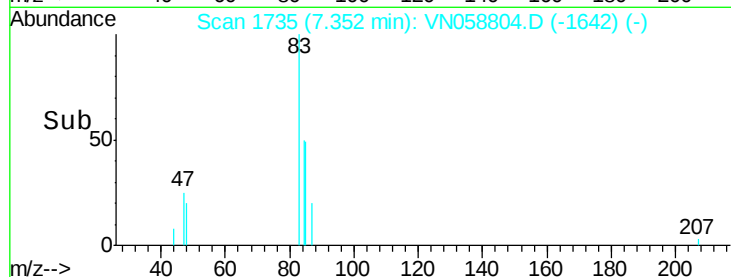
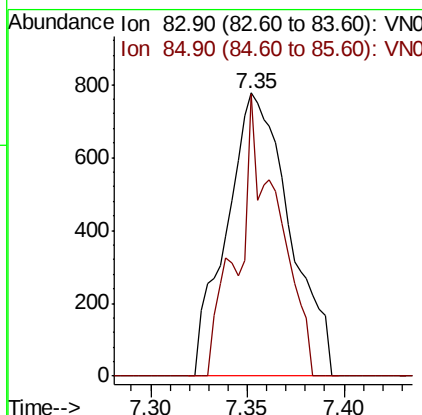
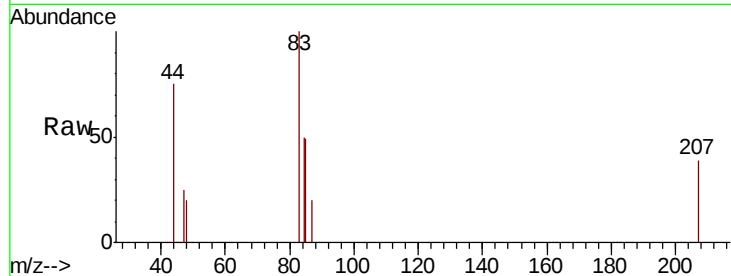




#30
Chloroform
Concen: 0.206 ug/l
RT: 7.35 min Scan# 1735
Delta R.T. -0.00 min
Lab File: VN058804.D
Acq: 16 Oct 2019 16:11

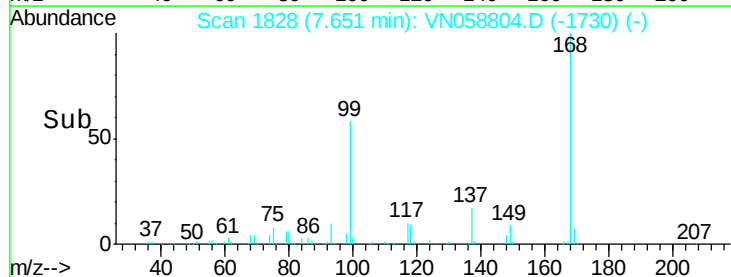
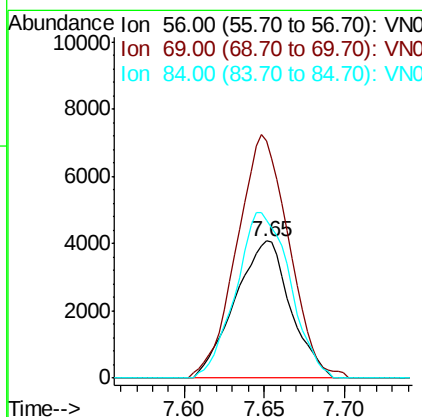
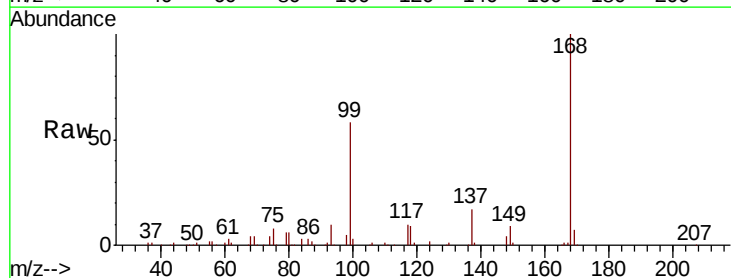
Instrument :
MSVOA_N
ClientSampled :

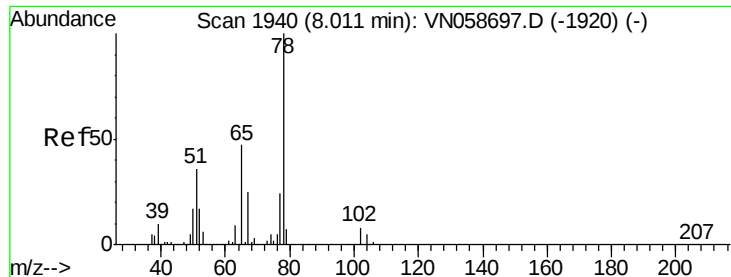
Tot Ion: 83 Resp: 1765
Ion Ratio Lower Upper
83 100
85 99.6 51.0 76.6#



#31
Cyclohexane
Concen: 1.194 ug/l
RT: 7.65 min Scan# 1828
Delta R.T. 0.02 min
Lab File: VN058804.D
Acq: 16 Oct 2019 16:11

Tgt Ion: 56 Resp: 9739
Ion Ratio Lower Upper
56 100
69 173.3 26.2 39.4#
84 115.6 64.9 97.3#





#33

1,2-Dichloroethane-d4

Concen: 52.805 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. -0.00 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :

MSVOA_N

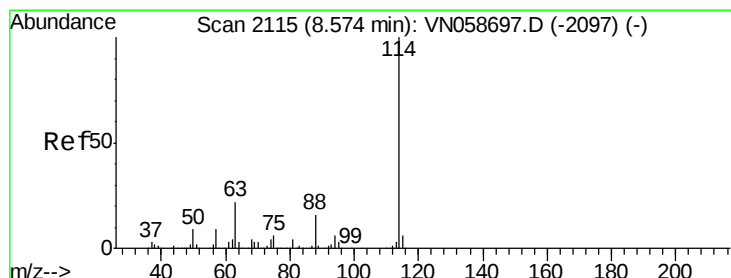
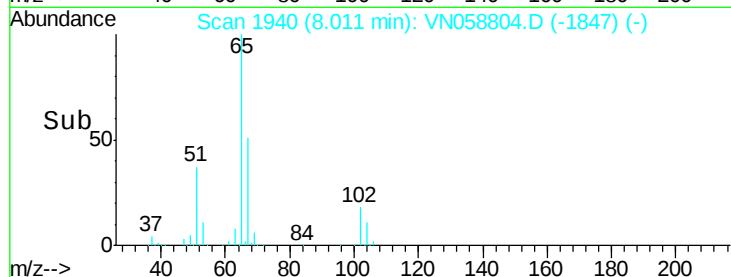
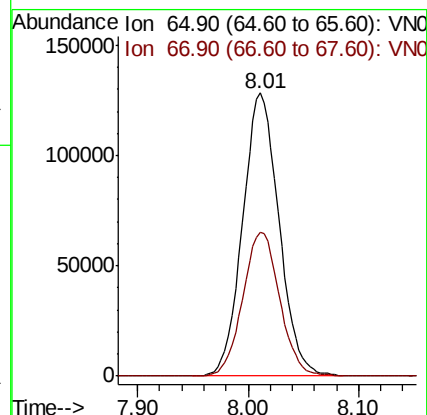
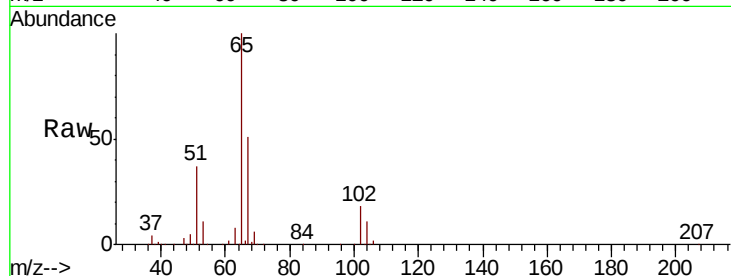
ClientSampled :

Tot Ion: 65 Resp: 293525

Ion Ratio Lower Upper

65 100

67 51.6 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: VN058804.D

Acq: 16 Oct 2019 16:11

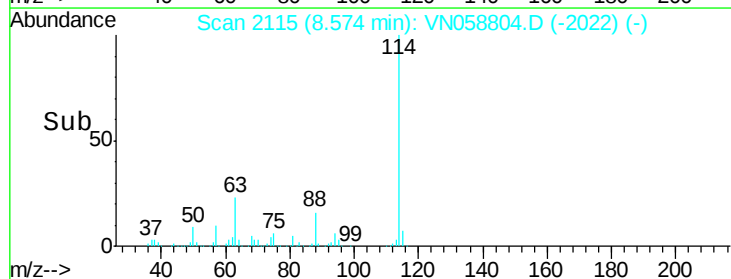
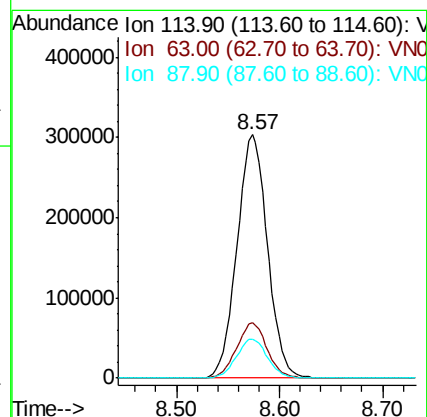
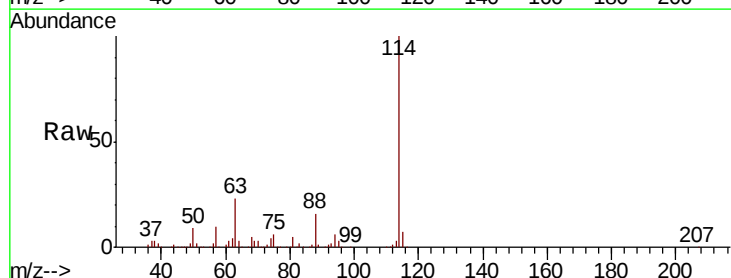
Tgt Ion: 114 Resp: 623678

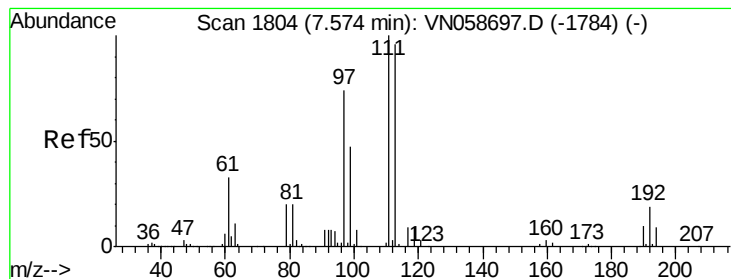
Ion Ratio Lower Upper

114 100

63 22.6 0.0 43.8

88 16.1 0.0 32.0





#35

Dibromofluoromethane

Concen: 55.414 ug/l

RT: 7.57 min Scan# 1804

Delta R.T. -0.00 min

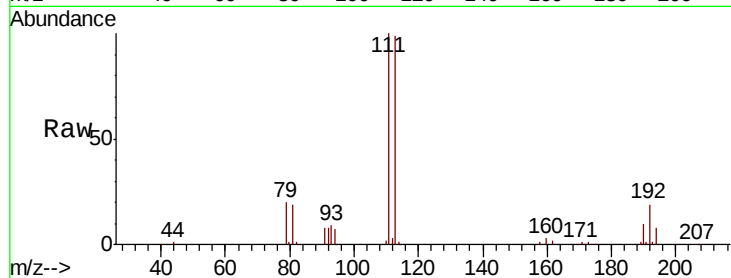
Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:113 Resp: 213471

Ion	Ratio	Lower	Upper
113	100		
111	100.7	82.3	123.5
192	18.9	15.0	22.6



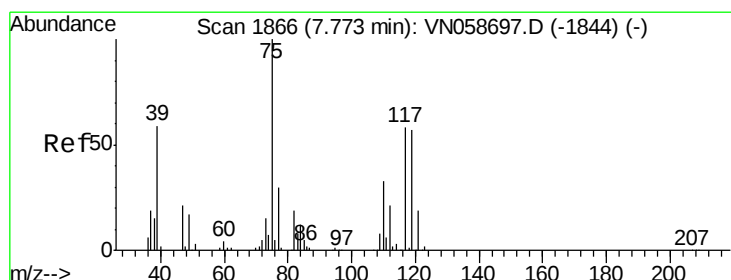
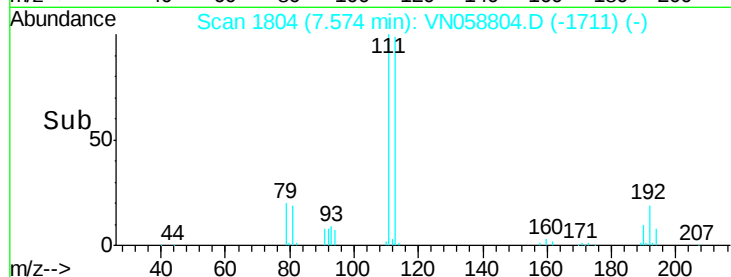
Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

7.57

Time-->



#36

1,1-Dichloropropene

Concen: 5.346 ug/l

RT: 7.65 min Scan# 1827

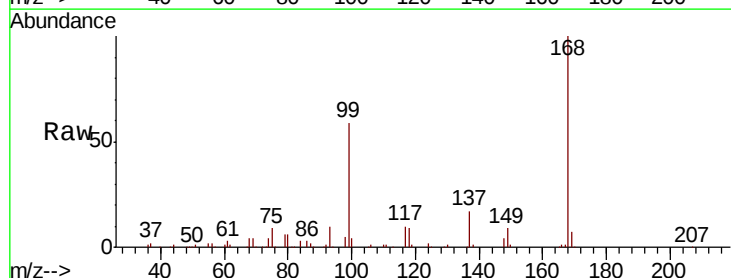
Delta R.T. -0.13 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Tgt Ion: 75 Resp: 33712

Ion	Ratio	Lower	Upper
75	100		
110	8.0	16.6	49.8#
77	0.0	24.6	37.0#



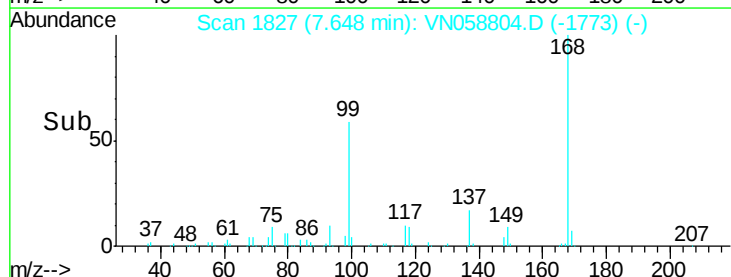
Abundance Ion 74.90 (74.60 to 75.60): V

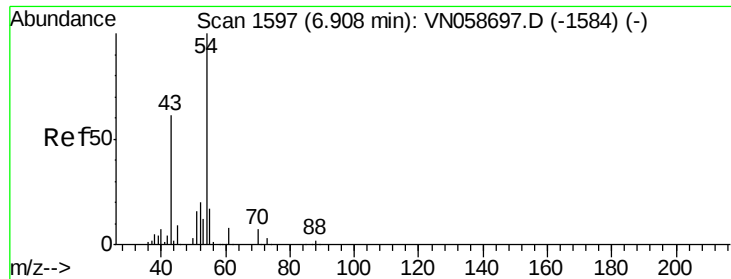
Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

7.65

Time-->

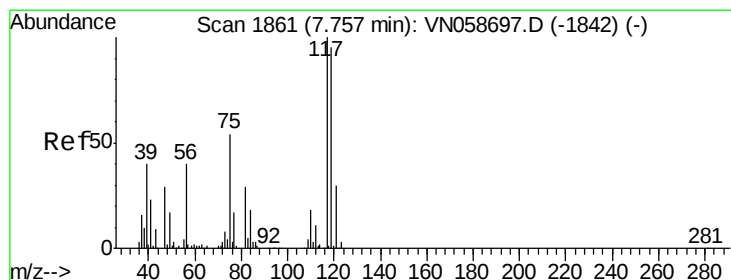
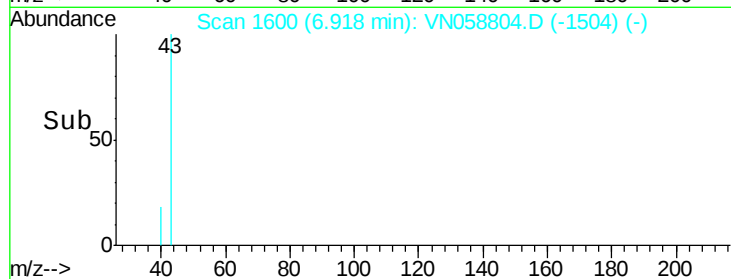
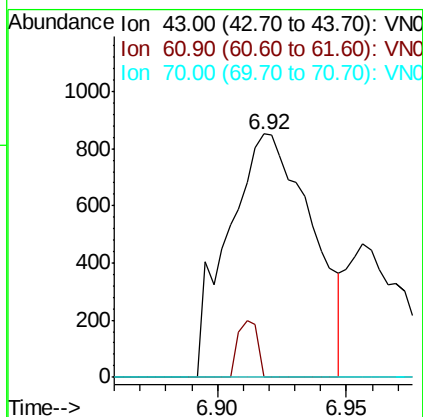
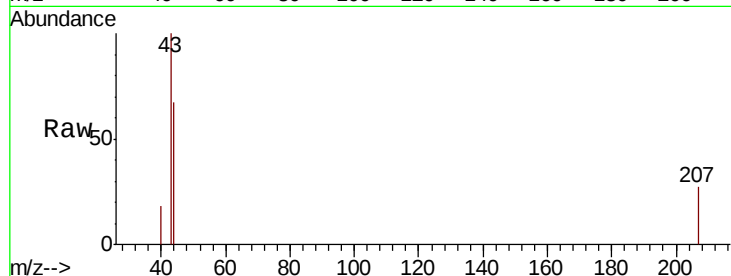




#37
Ethyl Acetate
Concen: 0.302 ug/l
RT: 6.92 min Scan# 1600
Delta R.T. 0.01 min
Lab File: VN058804.D
Acq: 16 Oct 2019 16:11

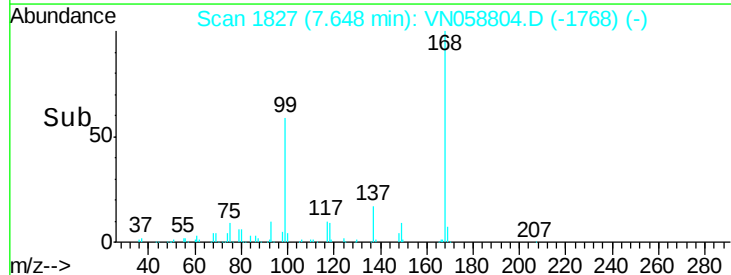
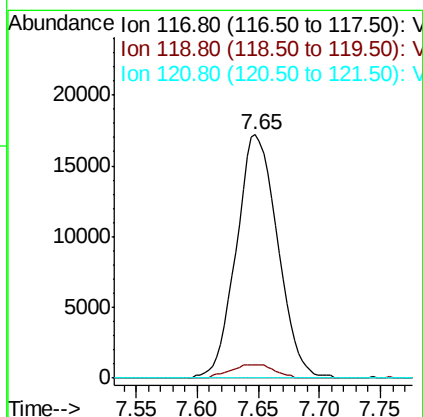
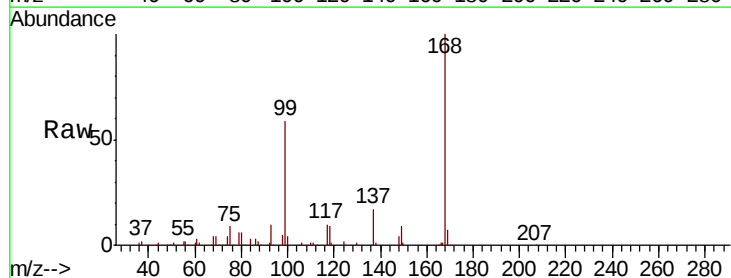
Instrument :
MSVOA_N
ClientSampled :

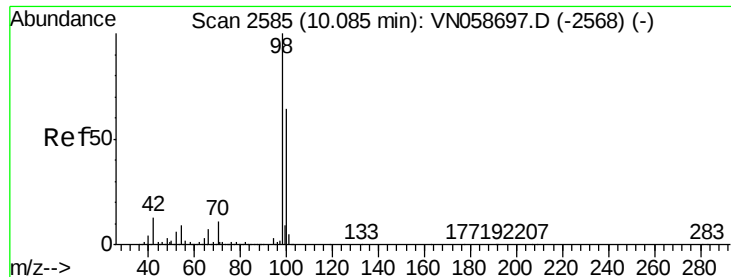
Tot Ion: 43 Resp: 1926
Ion Ratio Lower Upper
43 100
61 5.4 11.3 16.9#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.572 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058804.D
Acq: 16 Oct 2019 16:11

Tgt Ion: 117 Resp: 40387
Ion Ratio Lower Upper
117 100
119 5.2 75.7 113.5#
121 0.0 23.9 35.9#





#50

Toluene-d8

Concen: 51.570 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :

MSVOA_N

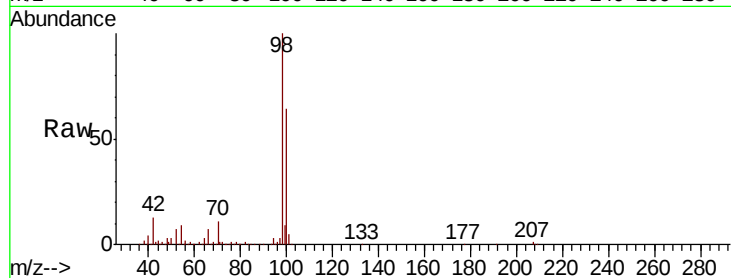
ClientSampleId :

Tot Ion: 98 Resp: 794432

Ion Ratio Lower Upper

98 100

100 63.4 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN

10.08

400000

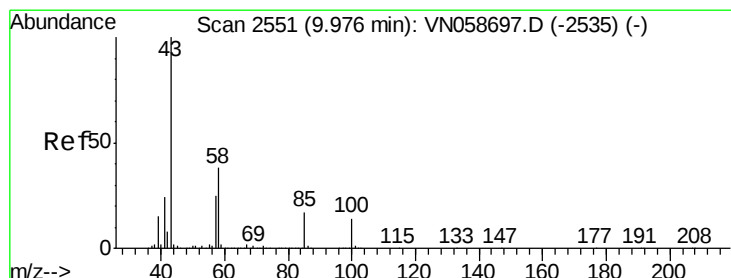
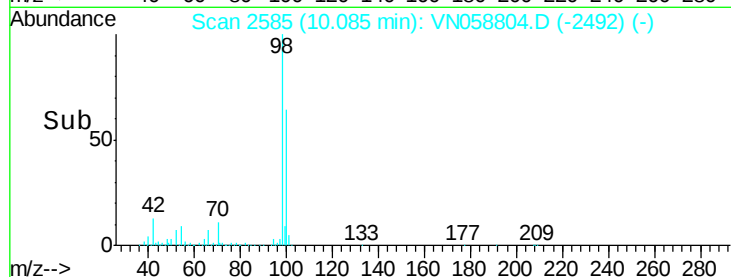
300000

200000

100000

0

Time-->



#51

4-Methyl-2-Pentanone

Concen: 0.726 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.11 min

Lab File: VN058804.D

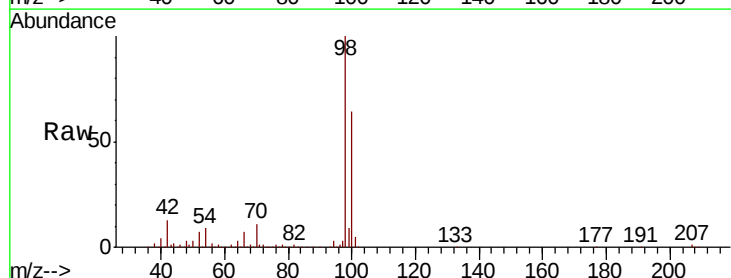
Acq: 16 Oct 2019 16:11

Tgt Ion: 43 Resp: 4430

Ion Ratio Lower Upper

43 100

58 150.8 30.3 45.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

4000

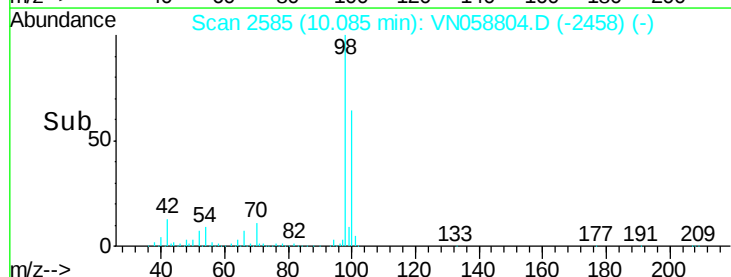
3000

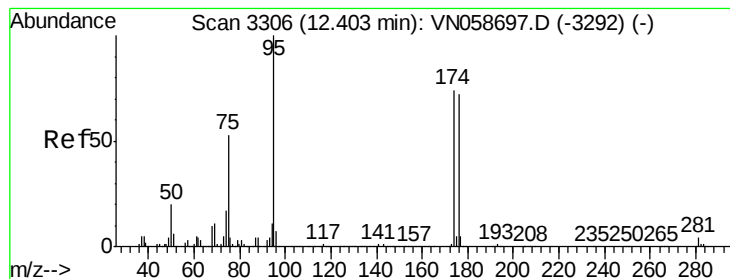
2000

1000

0

Time-->





#62

4-Bromofluorobenzene

Concen: 43.252 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.00 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampleId :

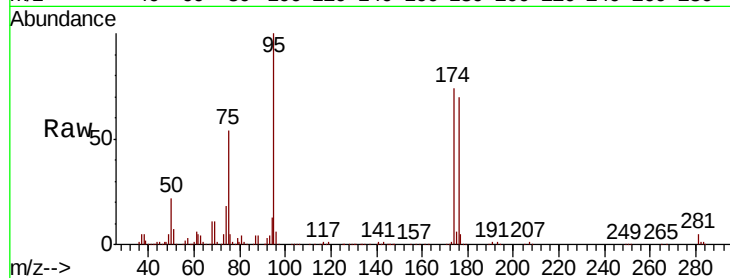
Tot Ion: 95 Resp: 252213

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.4

176 73.5 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN058697.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058697.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058697.D (-3292) (-)

12.40

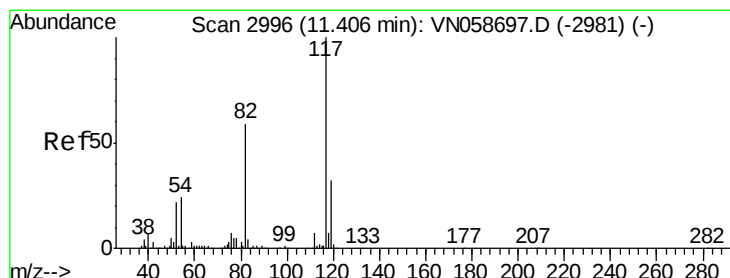
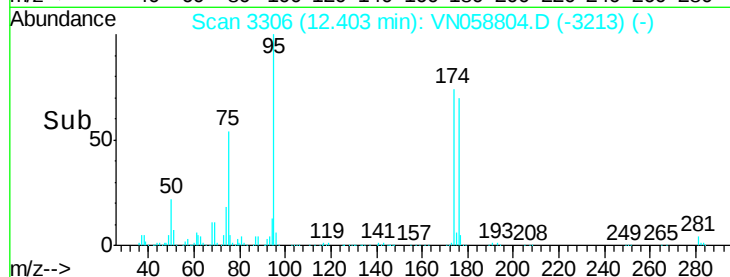
150000

100000

50000

0

Time--> 12.30 12.40 12.50



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. -0.00 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

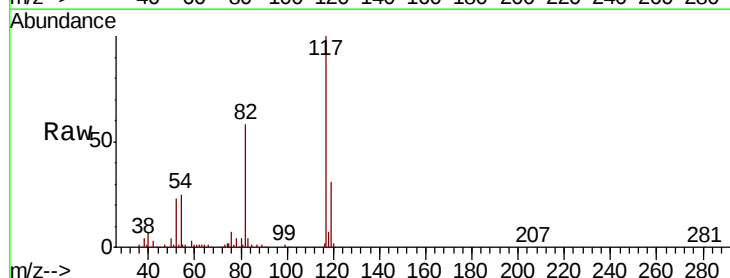
Tgt Ion: 117 Resp: 550310

Ion Ratio Lower Upper

117 100

82 58.3 47.0 70.4

119 31.4 25.4 38.2



Abundance Ion 116.90 (116.60 to 117.60): VN058697.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058697.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058697.D (-2981) (-)

11.41

400000

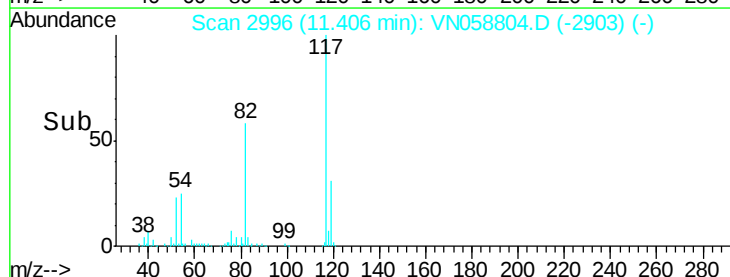
300000

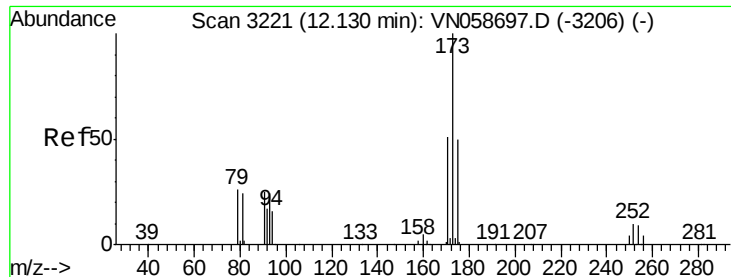
200000

100000

0

Time--> 11.30 11.40 11.50





#71

Bromoform

Concen: 0.512 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.27 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :

MSVOA_N

ClientSampled :

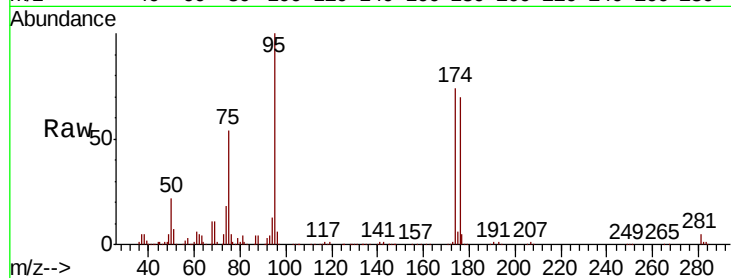
Tot Ion:173 Resp: 1550

Ion Ratio Lower Upper

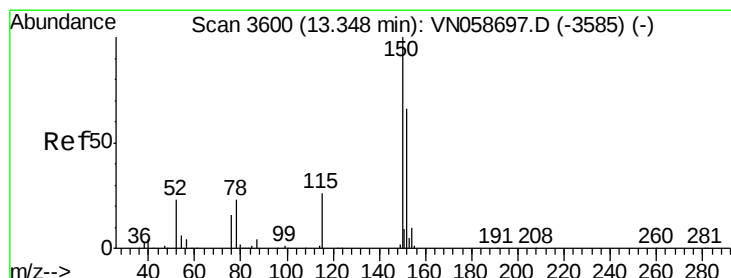
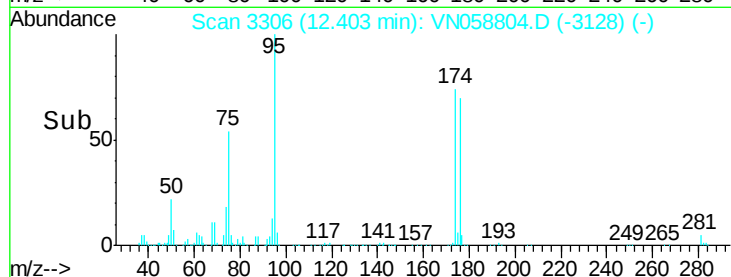
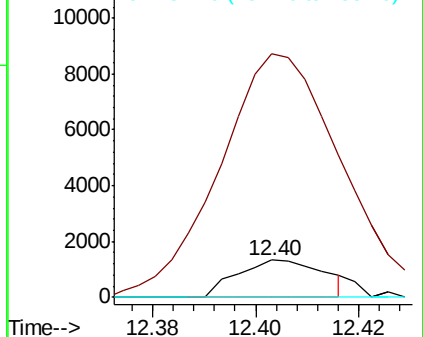
173 100

175 801.2 24.6 73.8#

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# 3600

Delta R.T. -0.00 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

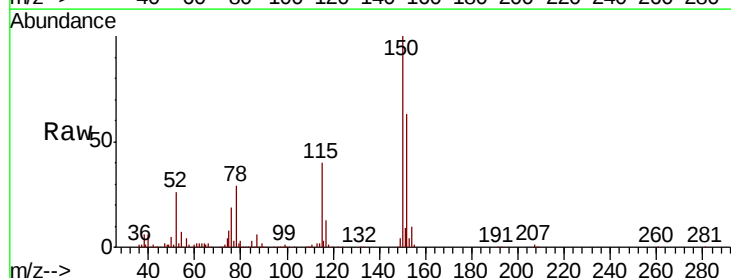
Tgt Ion:152 Resp: 202256

Ion Ratio Lower Upper

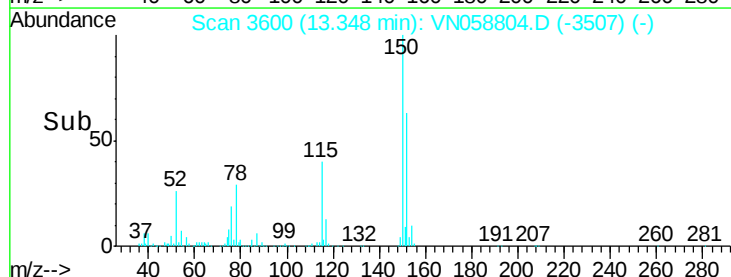
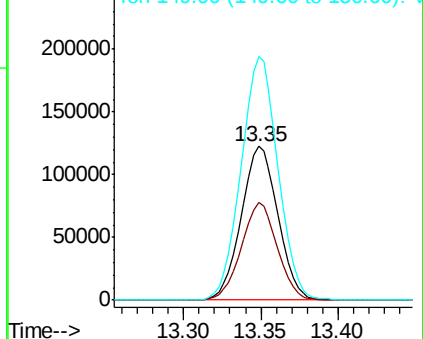
152 100

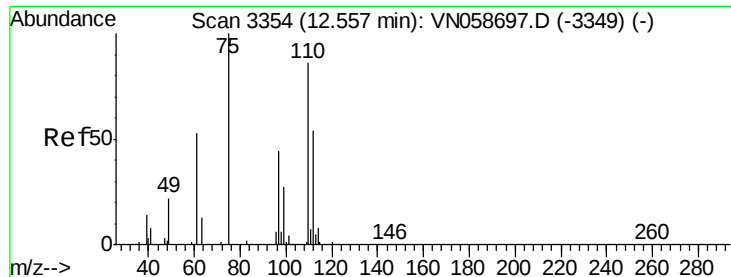
115 62.1 30.4 91.2

150 158.9 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





#76

1,2,3-Trichloropropane

Concen: 30.526 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

Instrument :

MSVOA_N

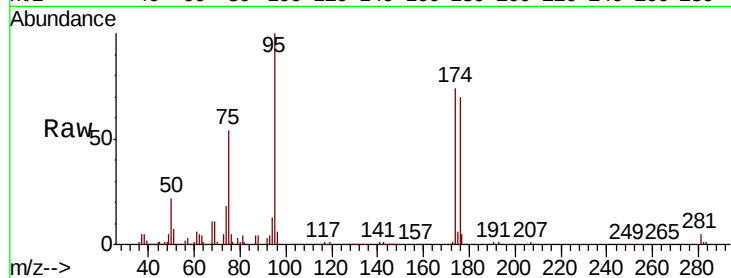
ClientSampleId :

Tot Ion: 75 Resp: 135445

Ion Ratio Lower Upper

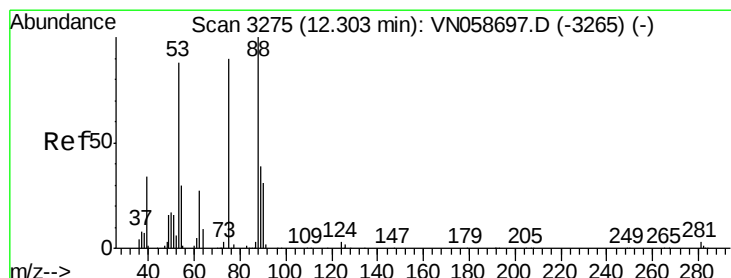
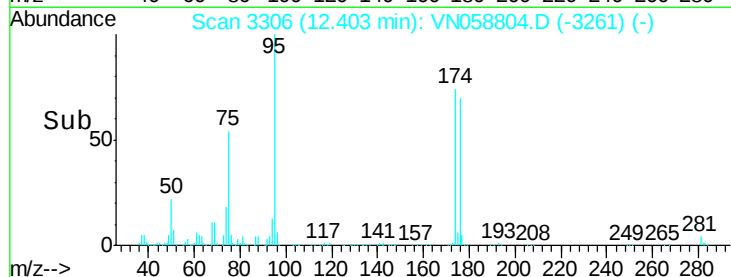
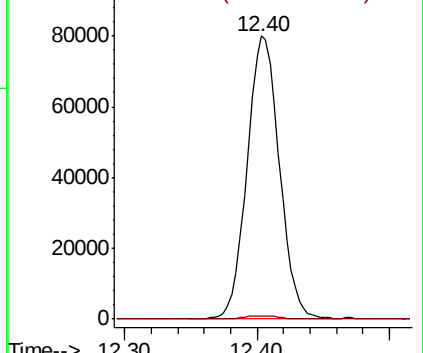
75 100

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: 81.770 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058804.D

Acq: 16 Oct 2019 16:11

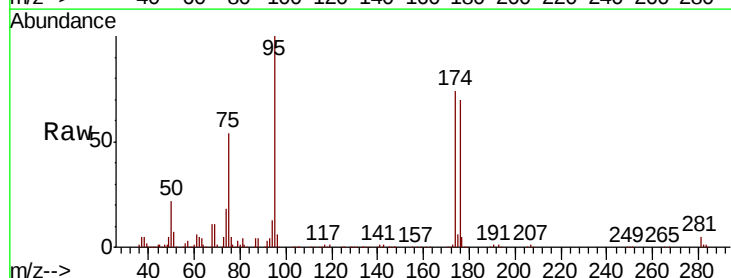
Tgt Ion: 75 Resp: 135445

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.0 34.9 52.3#



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

