

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101419\
 Data File : VN058764.D
 Acq On : 14 Oct 2019 20:58
 Operator : JC/SP
 Sample : K5266-13
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 15 03:16:32 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	389705	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	657362	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	593991	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	248965	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.01	65	301682	55.30	ug/l	0.00
Spiked Amount	50.000		Recovery	=	110.60%	
35) Dibromofluoromethane	7.64	113	295	0.07	ug/l	0.07
Spiked Amount	50.000		Recovery	=	0.14%	
50) Toluene-d8	10.08	98	783968	48.28	ug/l	0.00
Spiked Amount	50.000		Recovery	=	96.56%	
62) 4-Bromofluorobenzene	12.41	95	267142	43.47	ug/l	0.00
Spiked Amount	50.000		Recovery	=	86.94%	

Target Compounds

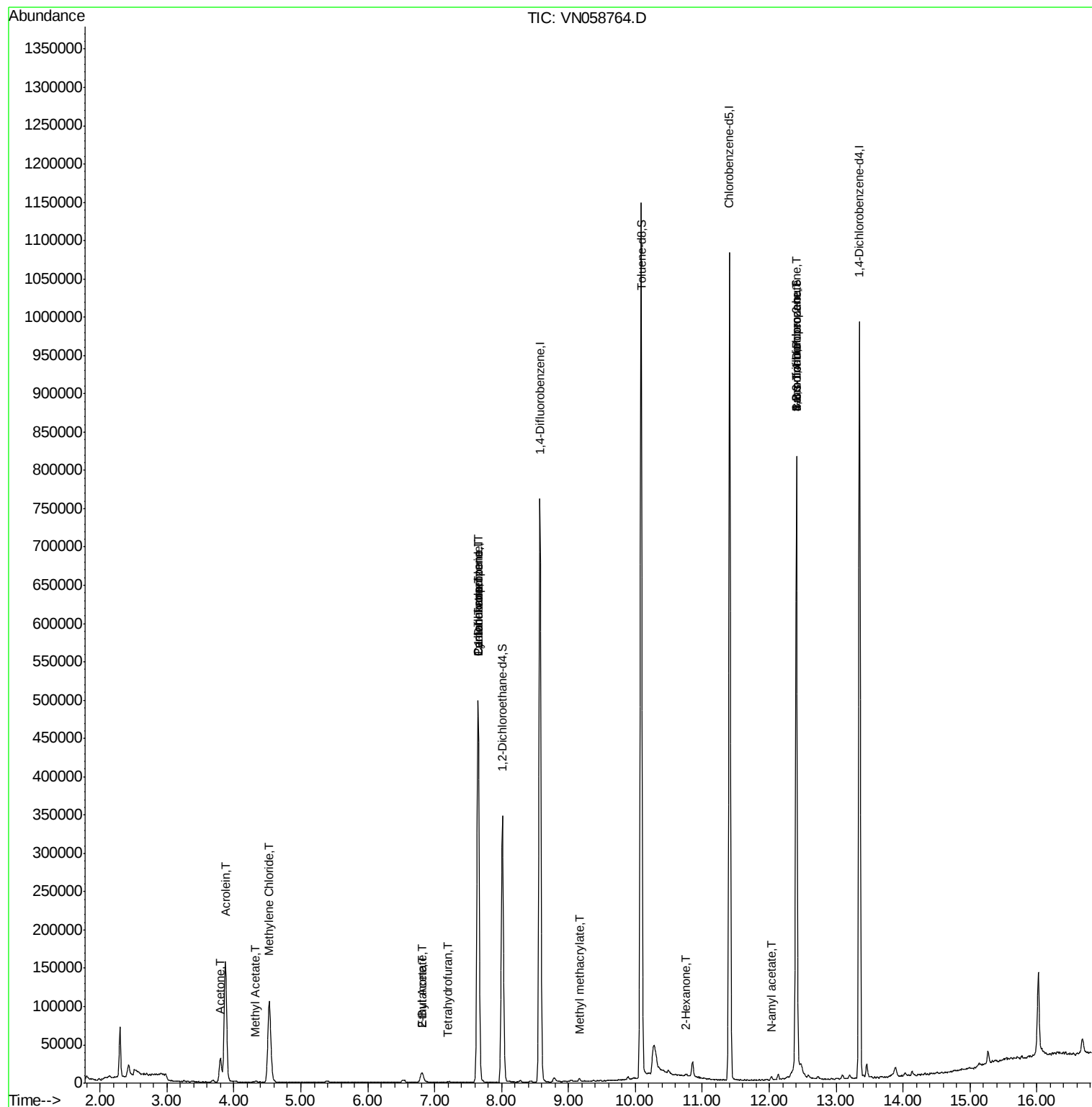
					Qvalue	
13) Acrolein	3.87	56	549	0.773	ug/l #	14
16) Acetone	3.80	43	55887	24.743	ug/l	98
18) Methyl Acetate	4.32	43	1261	0.220	ug/l #	54
20) Methylene Chloride	4.53	84	79455	16.832	ug/l	98
25) 2-Butanone	6.82	43	9839	3.014	ug/l	99
29) Tetrahydrofuran	7.20	42	723	0.343	ug/l #	35
31) Cyclohexane	7.65	56	9980	1.247	ug/l #	10
36) 1,1-Dichloropropene	7.65	75	32924	4.954	ug/l #	50
37) Ethyl Acetate	6.82	43	9839	1.464	ug/l #	71
38) Carbon Tetrachloride	7.65	117	39881	6.157	ug/l #	17
48) Methyl methacrylate	9.16	41	1466	0.282	ug/l #	41
59) 2-Hexanone	10.76	43	1897	0.382	ug/l	68
71) Bromoform	12.41	173	1062	0.325	ug/l #	1
74) N-amyl acetate	12.04	43	2645	0.327	ug/l #	47
76) 1,2,3-Trichloropropane	12.40	75	144180	26.398	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	144180	70.713	ug/l #	11

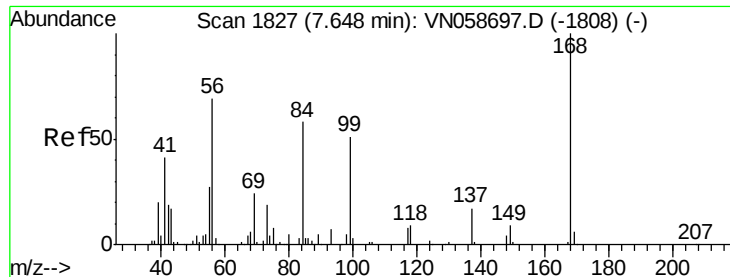
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.00 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

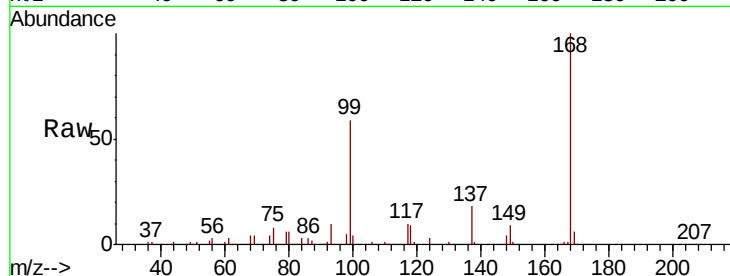
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 389705

Ion Ratio Lower Upper

168 100

99 59.4 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

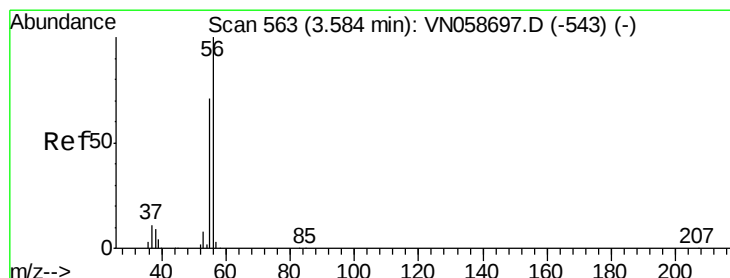
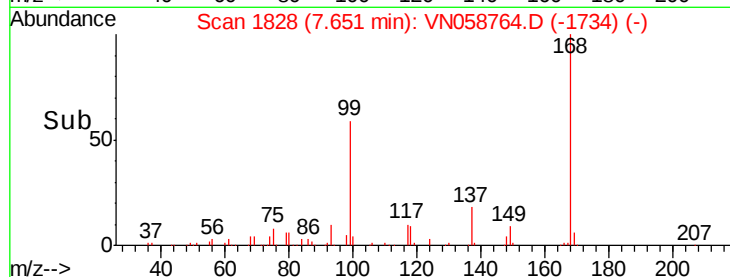
100000

50000

0

7.60 7.70

Time-->



#13

Acrolein

Concen: 0.773 ug/l

RT: 3.87 min Scan# 652

Delta R.T. 0.29 min

Lab File: VN058764.D

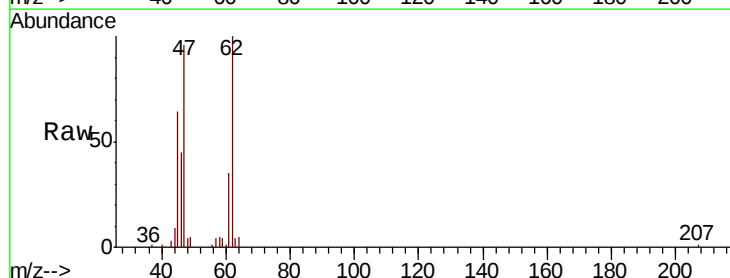
Acq: 14 Oct 2019 20:58

Tgt Ion: 56 Resp: 549

Ion Ratio Lower Upper

56 100

55 0.0 56.7 85.1#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.87

400

300

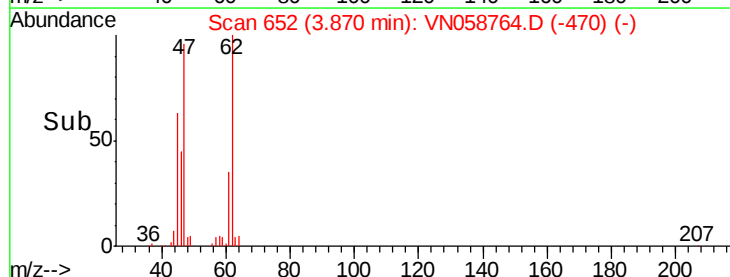
200

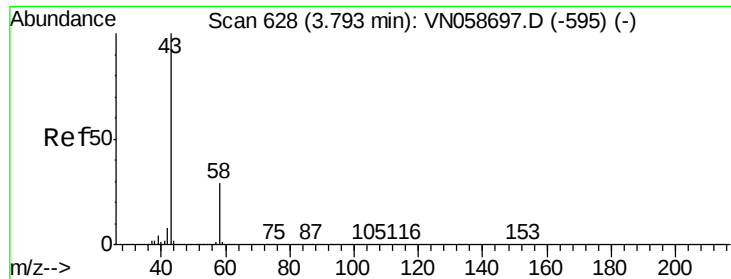
100

0

3.82 3.84 3.86 3.88

Time-->





#16

Acetone

Concen: 24.743 ug/l

RT: 3.80 min Scan# 629

Delta R.T. 0.00 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

Instrument :

MSVOA_N

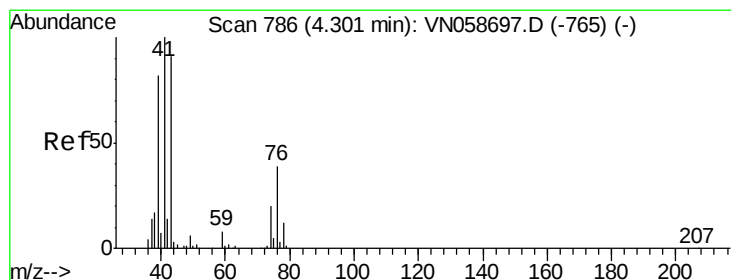
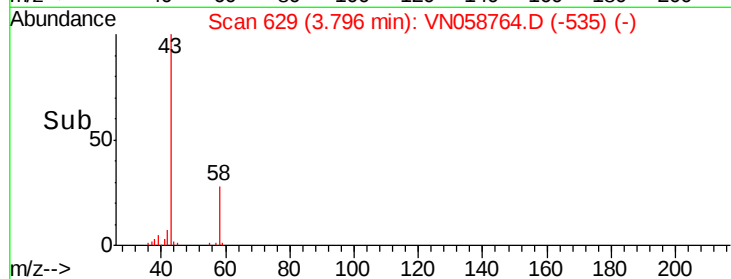
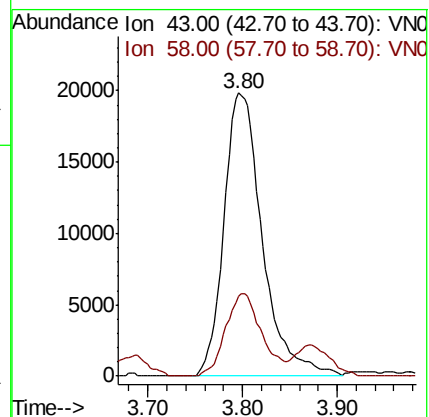
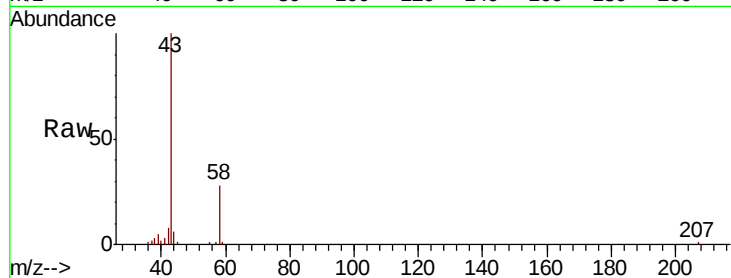
ClientSampled :

Tot Ion: 43 Resp: 55887

Ion Ratio Lower Upper

43 100

58 28.0 23.3 34.9



#18

Methyl Acetate

Concen: 0.220 ug/l

RT: 4.32 min Scan# 791

Delta R.T. 0.02 min

Lab File: VN058764.D

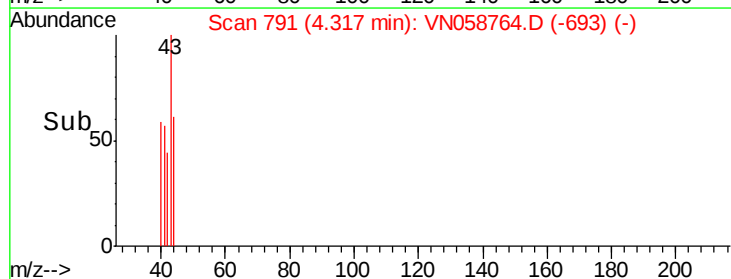
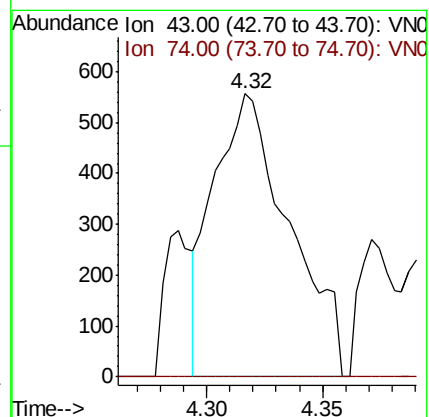
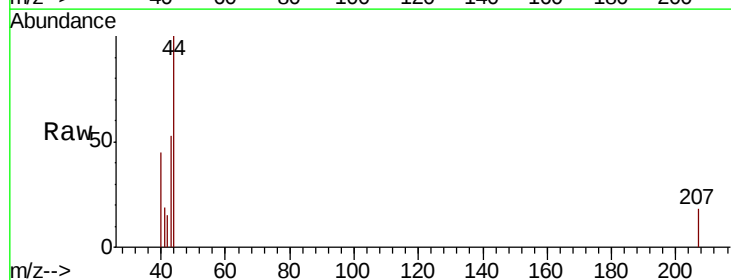
Acq: 14 Oct 2019 20:58

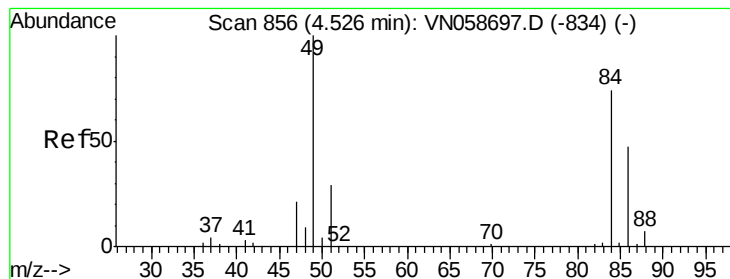
Tgt Ion: 43 Resp: 1261

Ion Ratio Lower Upper

43 100

74 0.0 17.2 25.8#





#20

Methylene Chloride

Concen: 16.832 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 84 Resp: 79455

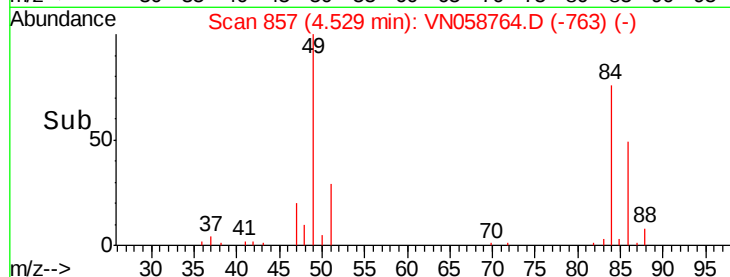
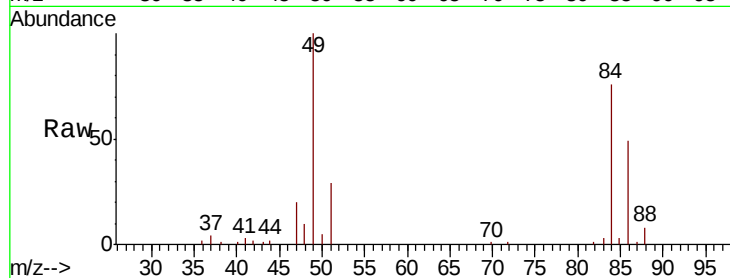
Ion Ratio Lower Upper

84 100

49 131.7 107.6 161.4

51 38.8 31.4 47.0

86 64.4 50.3 75.5

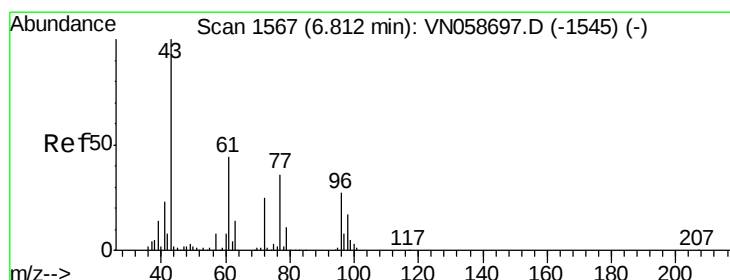
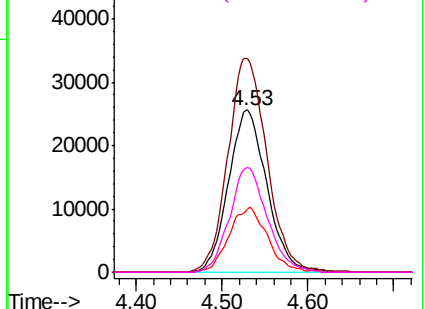


Abundance Ion 83.90 (83.60 to 84.60): VN0

Ion 48.90 (48.60 to 49.60): VN0

Ion 50.90 (50.60 to 51.60): VN0

Ion 85.90 (85.60 to 86.60): VN0



#25

2-Butanone

Concen: 3.014 ug/l

RT: 6.82 min Scan# 1571

Delta R.T. 0.01 min

Lab File: VN058764.D

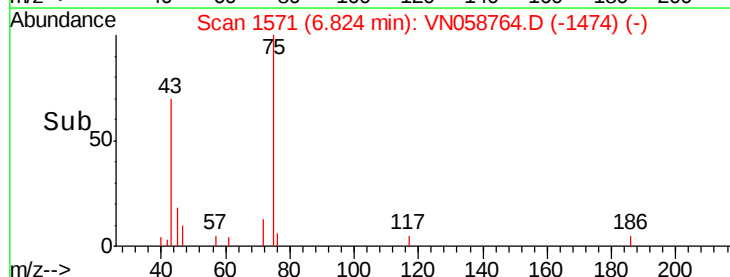
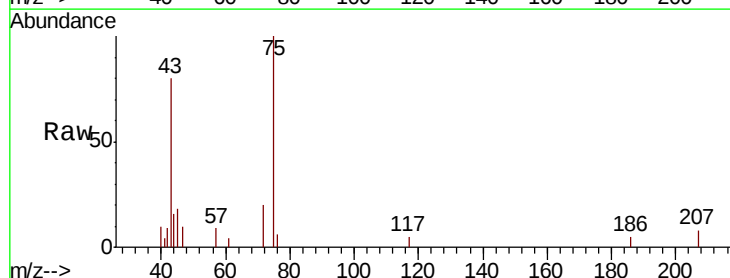
Acq: 14 Oct 2019 20:58

Tgt Ion: 43 Resp: 9839

Ion Ratio Lower Upper

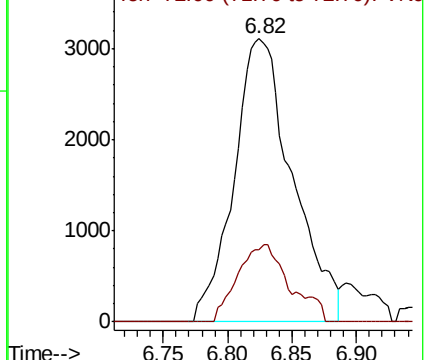
43 100

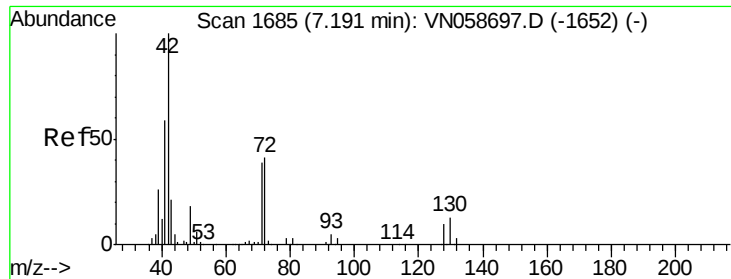
72 25.6 20.2 30.2



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

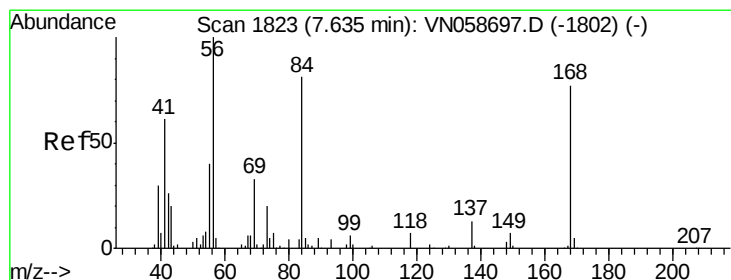
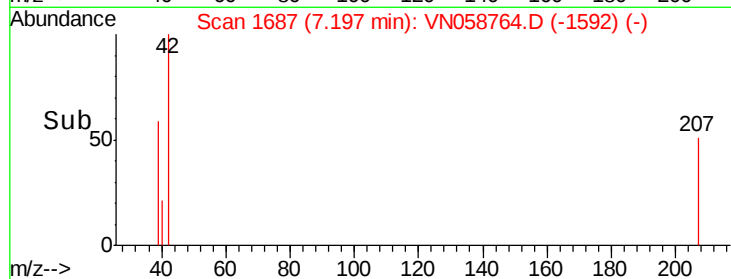
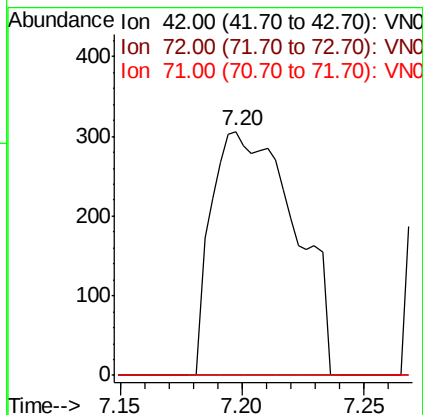
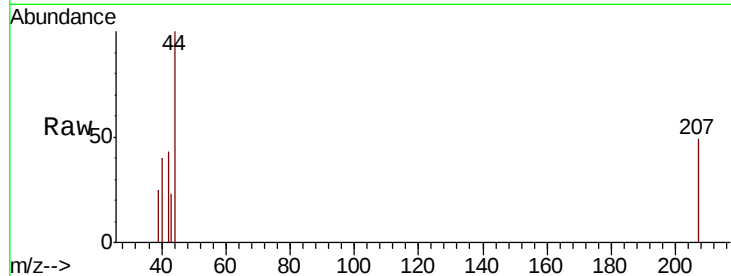




#29
Tetrahydrofuran
Concen: 0.343 ug/l
RT: 7.20 min Scan# 1687
Delta R.T. 0.01 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

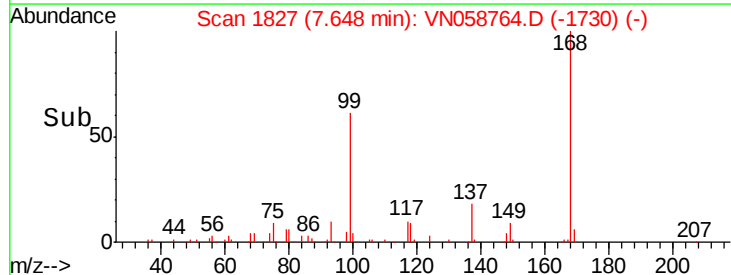
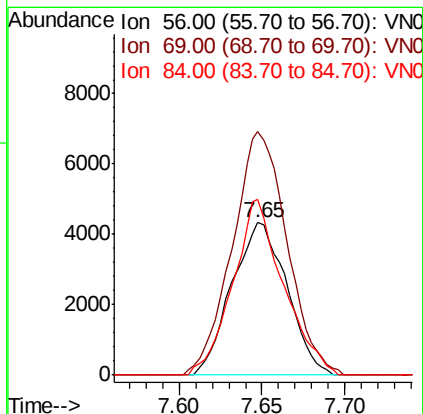
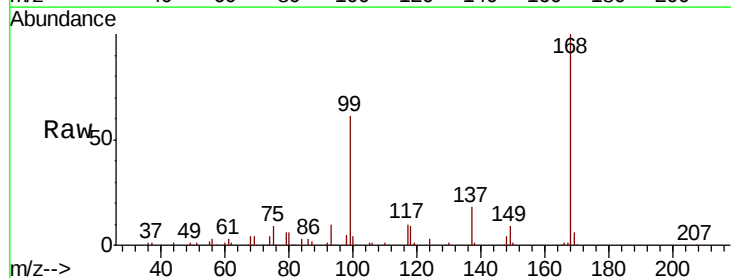
Instrument :
MSVOA_N
ClientSampleId :

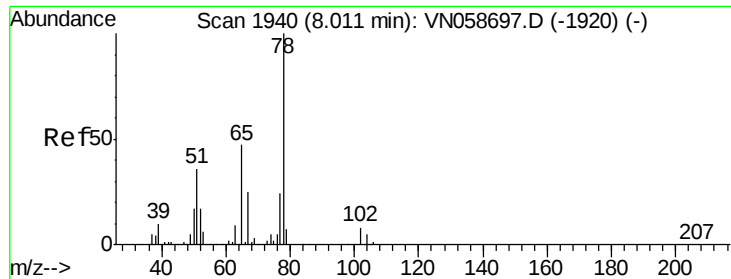
Tot Ion: 42 Resp: 723
Ion Ratio Lower Upper
42 100
72 0.0 32.8 49.2#
71 0.0 31.1 46.7#



#31
Cyclohexane
Concen: 1.247 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. 0.01 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

Tgt Ion: 56 Resp: 9980
Ion Ratio Lower Upper
56 100
69 156.2 26.2 39.4#
84 115.1 64.9 97.3#

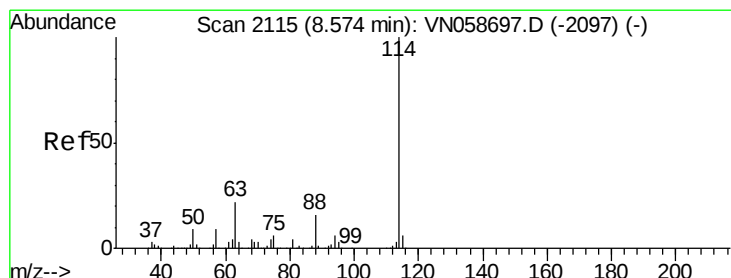
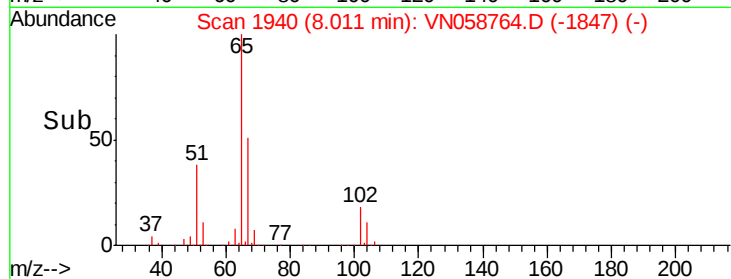
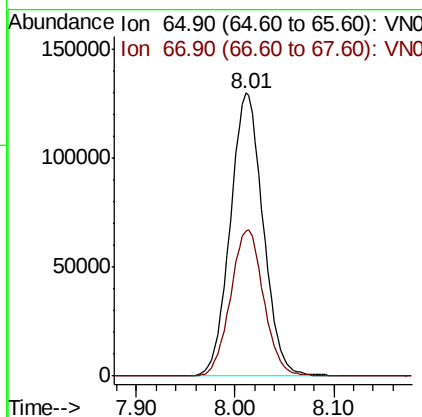
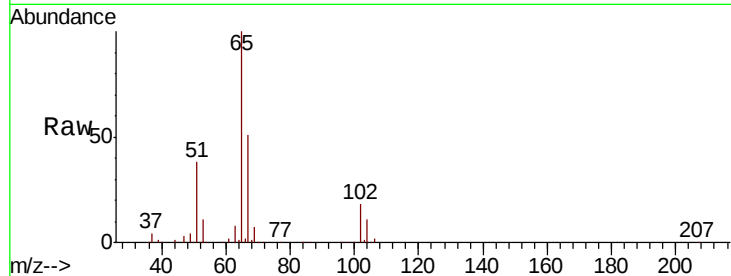




#33
 1,2-Dichloroethane-d4
 Concen: 55.296 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. -0.00 min
 Lab File: VN058764.D
 Acq: 14 Oct 2019 20:58

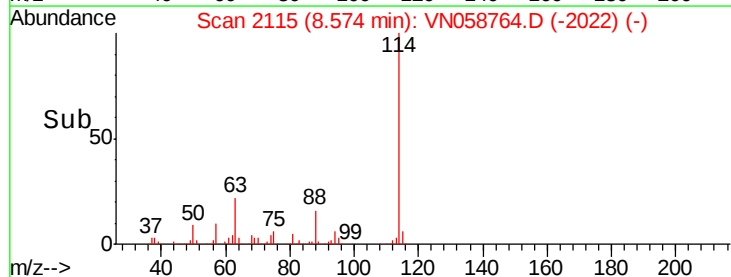
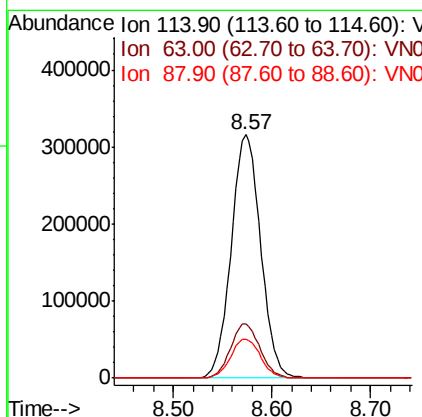
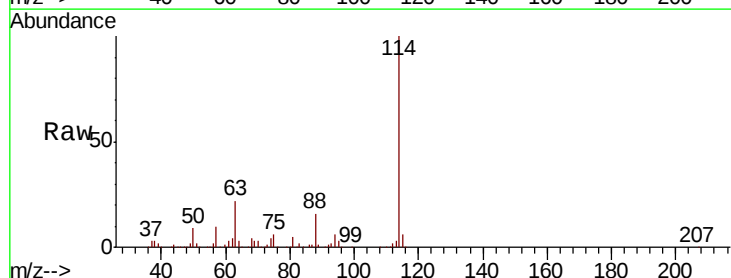
Instrument :
 MSVOA_N
 ClientSampled :

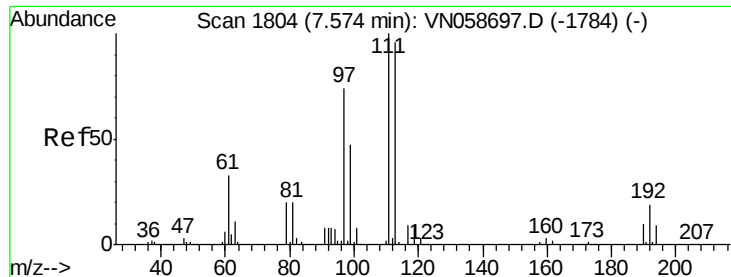
Tot Ion: 65 Resp: 301682
 Ion Ratio Lower Upper
 65 100
 67 52.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. -0.00 min
 Lab File: VN058764.D
 Acq: 14 Oct 2019 20:58

Tgt Ion: 114 Resp: 657362
 Ion Ratio Lower Upper
 114 100
 63 22.4 0.0 43.8
 88 16.1 0.0 32.0

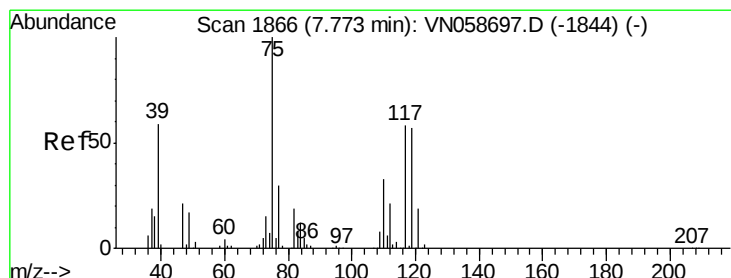
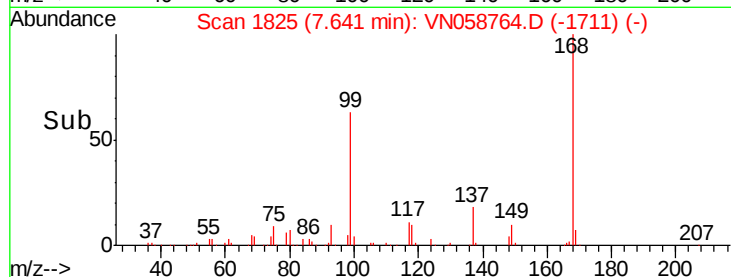
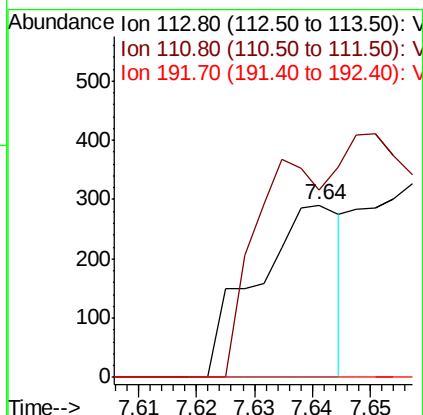
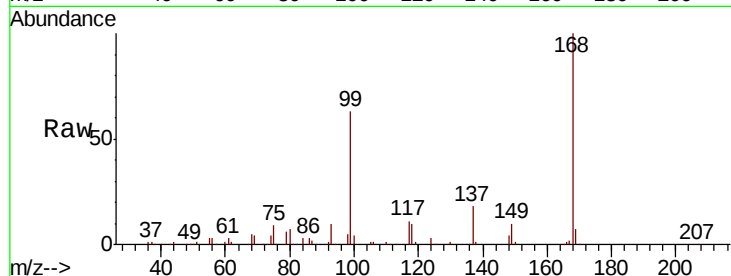




#35
Dibromofluoromethane
Concen: 0.073 ug/l
RT: 7.64 min Scan# 1825
Delta R.T. 0.07 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

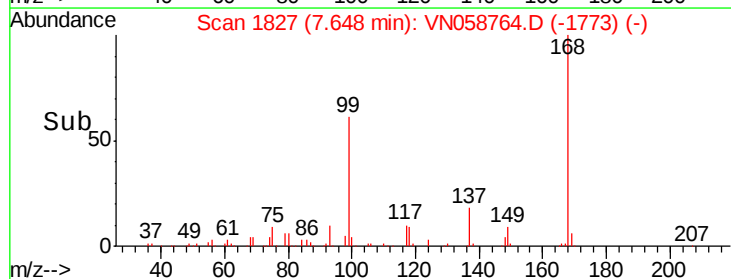
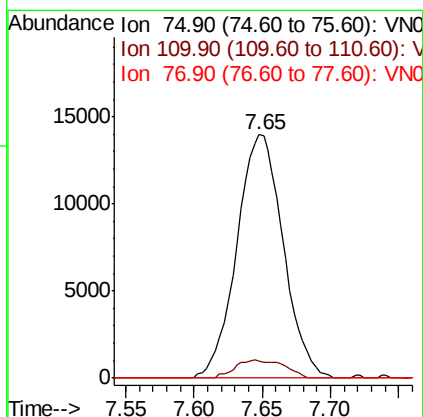
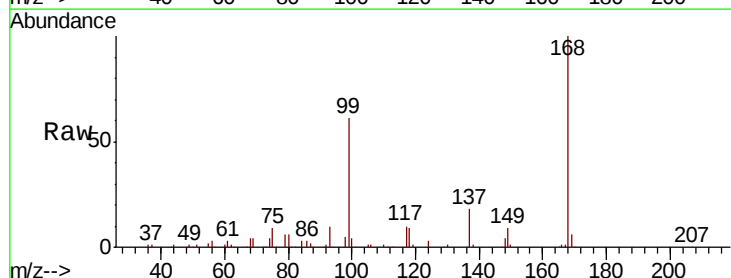
Instrument :
MSVOA_N
ClientSampled :

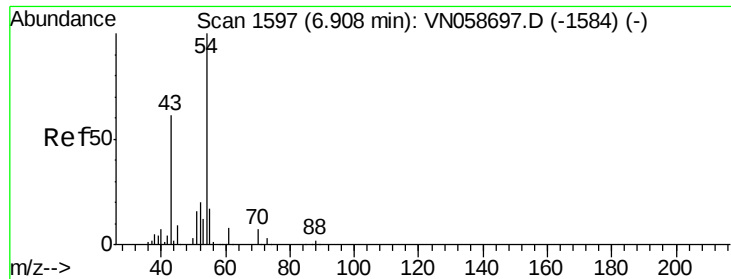
Tot Ion:113 Resp: 295
Ion Ratio Lower Upper
113 100
111 100.3 82.3 123.5
192 0.0 15.0 22.6#



#36
1,1-Dichloropropene
Concen: 4.954 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.13 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

Tgt Ion: 75 Resp: 32924
Ion Ratio Lower Upper
75 100
110 7.8 16.6 49.8#
77 0.0 24.6 37.0#

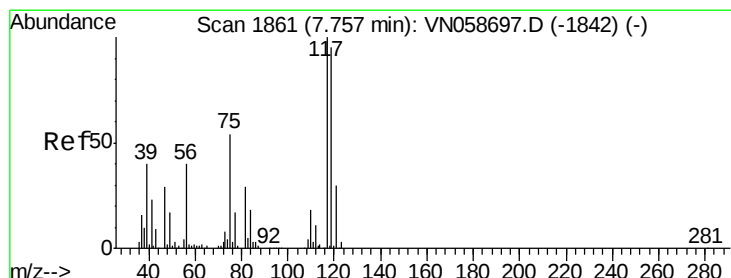
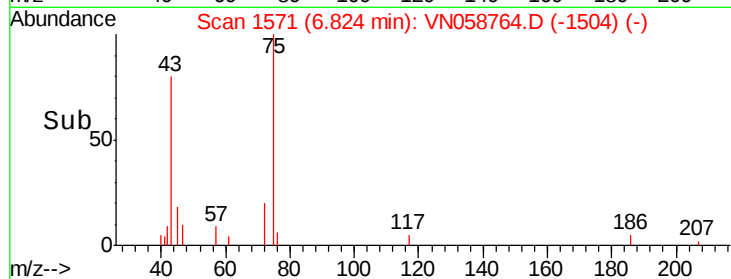
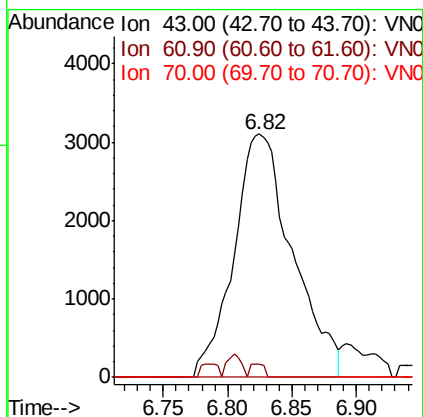
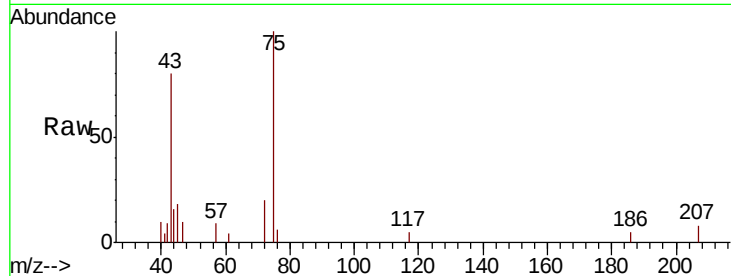




#37
Ethyl Acetate
Concen: 1.464 ug/l
RT: 6.82 min Scan# 1571
Delta R.T. -0.08 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

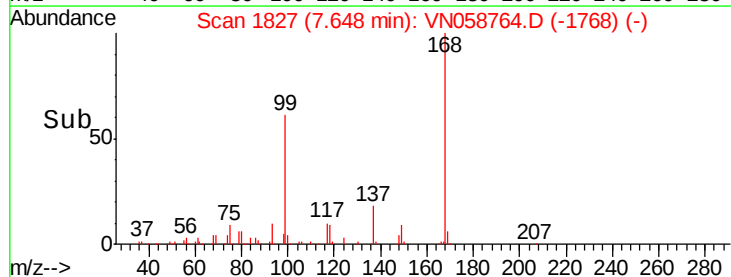
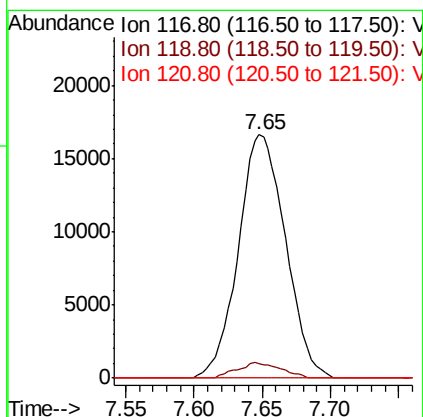
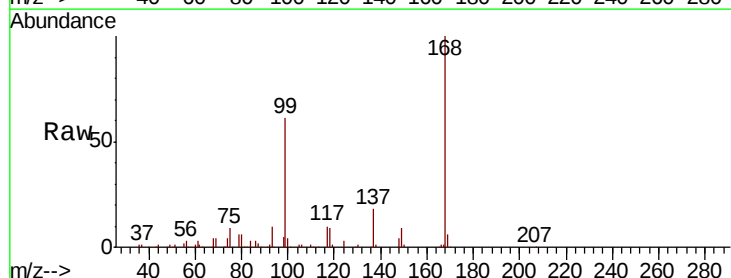
Instrument :
MSVOA_N
ClientSampleId :

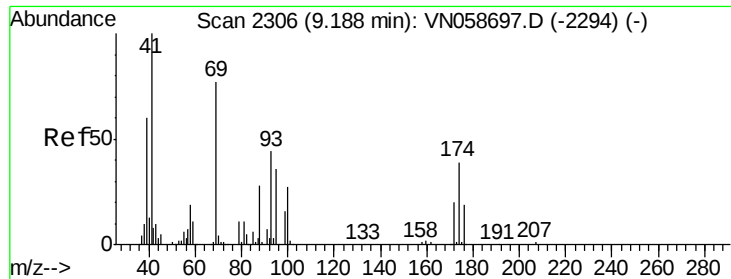
Tot Ion: 43 Resp: 9839
Ion Ratio Lower Upper
43 100
61 1.3 11.3 16.9#
70 0.0 7.2 10.8#



#38
Carbon Tetrachloride
Concen: 6.157 ug/l
RT: 7.65 min Scan# 1827
Delta R.T. -0.11 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

Tgt Ion: 117 Resp: 39881
Ion Ratio Lower Upper
117 100
119 5.9 75.7 113.5#
121 0.0 23.9 35.9#

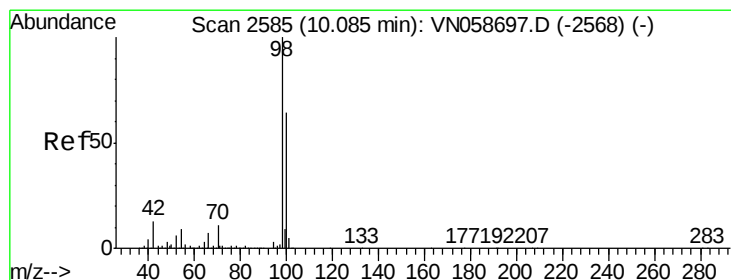
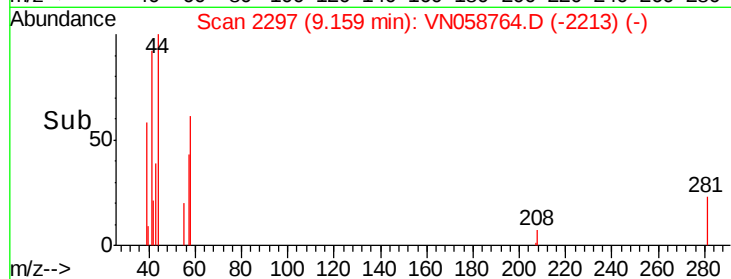
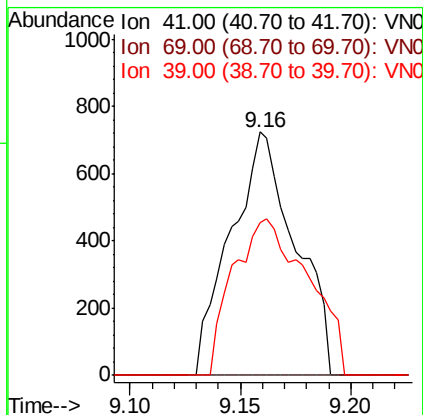
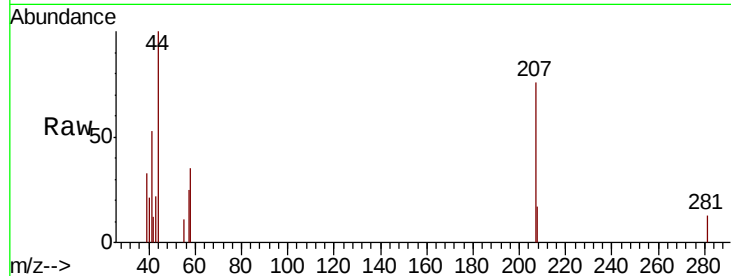




#48
Methvl methacrilate
Concen: 0.282 ug/l
RT: 9.16 min Scan# 2297
Delta R.T. -0.03 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

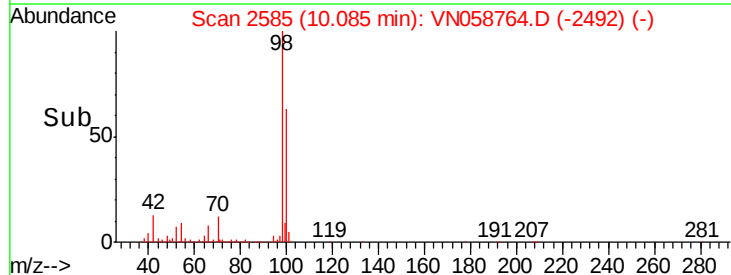
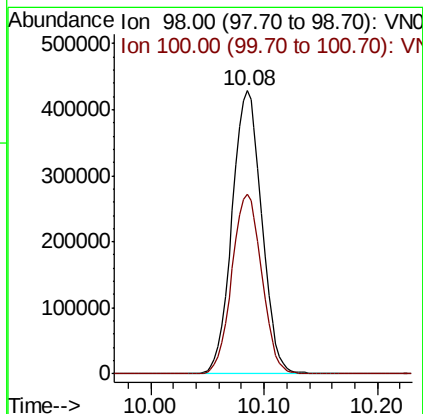
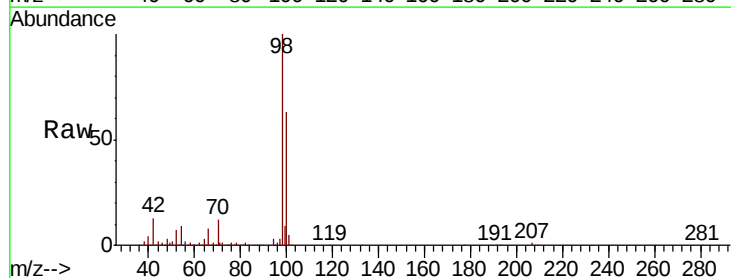
Instrument :
MSVOA_N
ClientSampleId :

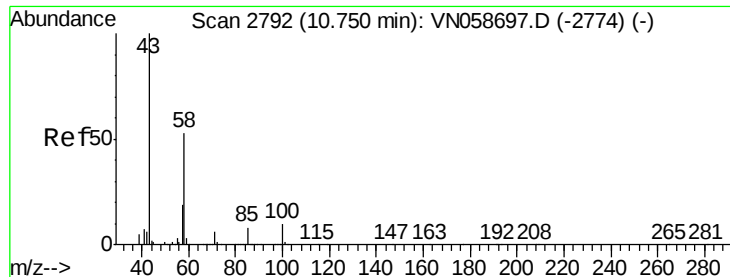
Tot Ion: 41 Resp: 1466
Ion Ratio Lower Upper
41 100
69 0.0 63.4 95.2#
39 74.8 48.9 73.3#



#50
Toluene-d8
Concen: 48.283 ug/l
RT: 10.08 min Scan# 2585
Delta R.T. -0.00 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

Tgt Ion: 98 Resp: 783968
Ion Ratio Lower Upper
98 100
100 64.0 51.1 76.7





#59

2-Hexanone

Concen: 0.382 ug/l

RT: 10.76 min Scan# 2795

Delta R.T. 0.01 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

Instrument :

MSVOA_N

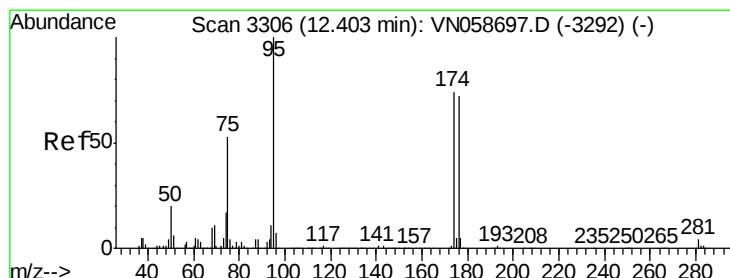
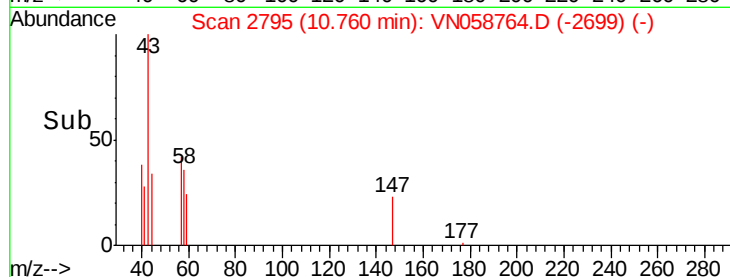
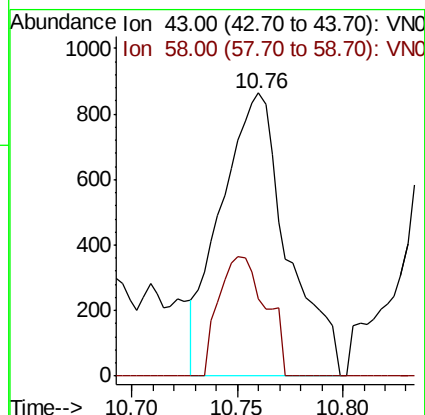
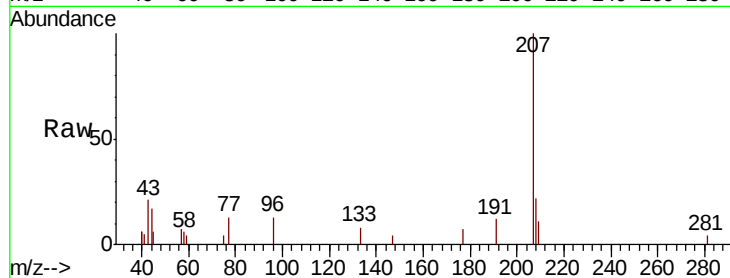
ClientSampled :

Tot Ion: 43 Resp: 1897

Ion Ratio Lower Upper

43 100

58 29.8 26.1 78.3



#62

4-Bromofluorobenzene

Concen: 43.465 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

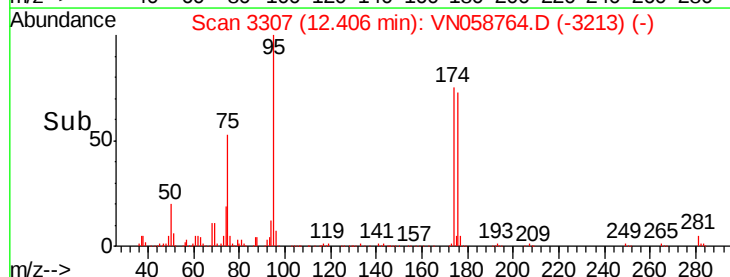
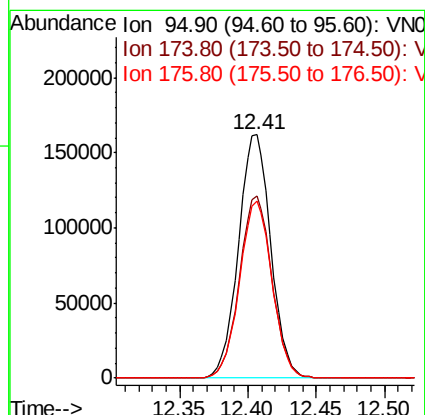
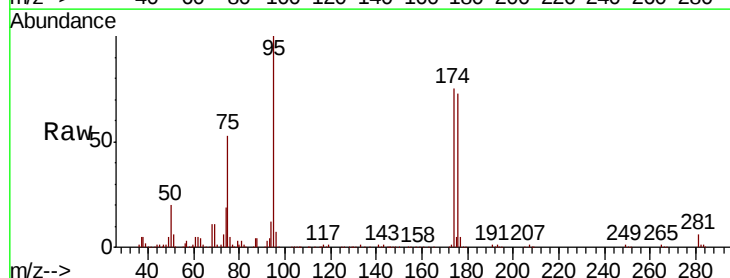
Tgt Ion: 95 Resp: 267142

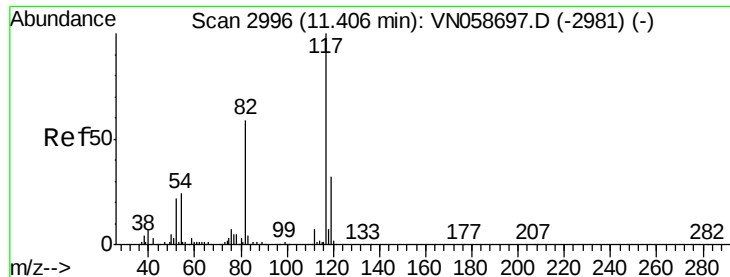
Ion Ratio Lower Upper

95 100

174 75.3 0.0 150.4

176 73.1 0.0 146.8

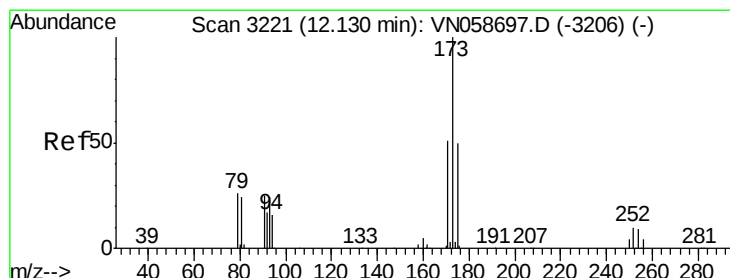
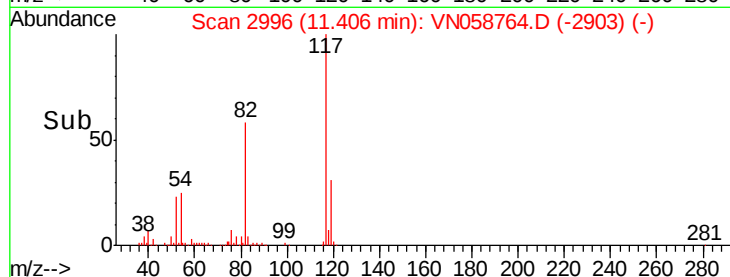
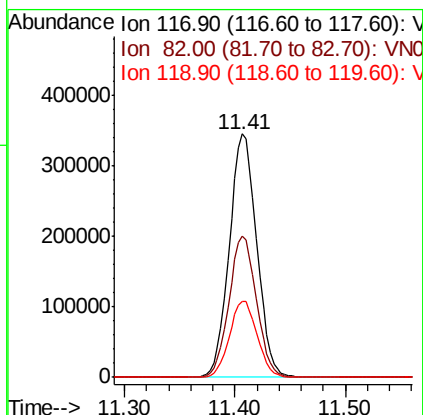
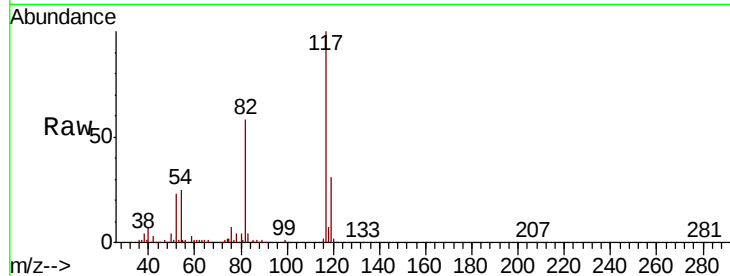




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

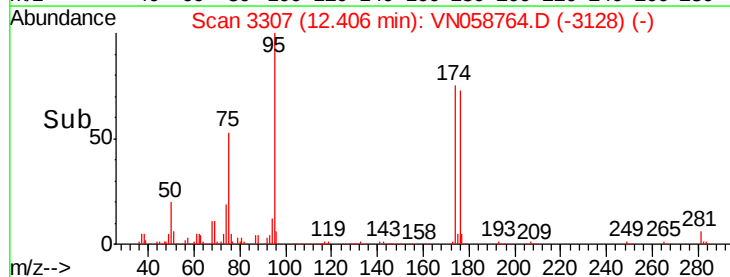
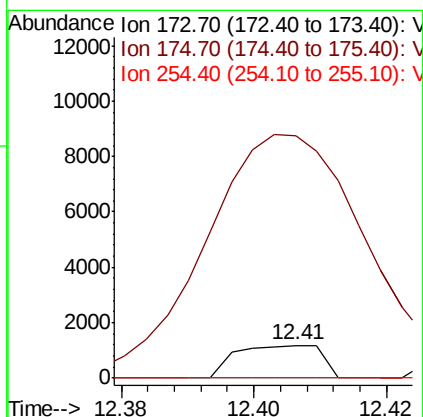
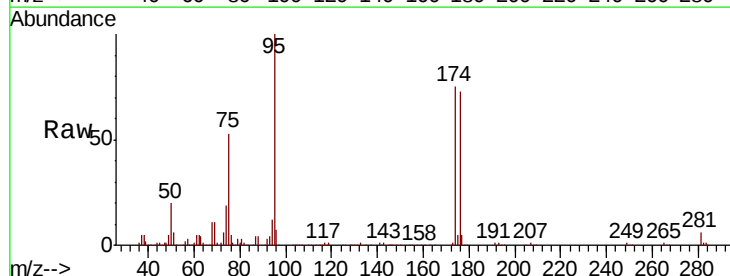
Instrument :
MSVOA_N
ClientSampleId :

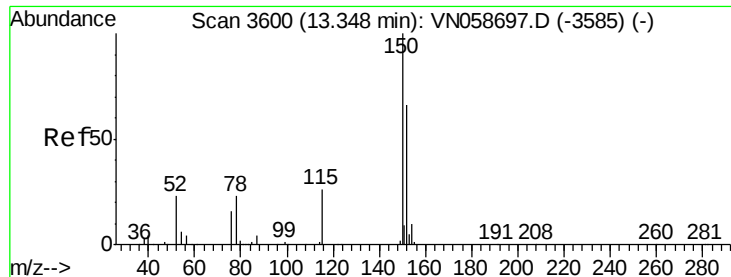
Tot Ion:117 Resp: 593991
Ion Ratio Lower Upper
117 100
82 58.2 47.0 70.4
119 31.3 25.4 38.2



#71
Bromoform
Concen: 0.325 ug/l
RT: 12.41 min Scan# 3307
Delta R.T. 0.28 min
Lab File: VN058764.D
Acq: 14 Oct 2019 20:58

Tgt Ion:173 Resp: 1062
Ion Ratio Lower Upper
173 100
175 1229.8 24.6 73.8#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.000 ug/l

RT: 13.35 min Scan# 3600

Delta R.T. -0.00 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

Instrument :

MSVOA_N

ClientSampleId :

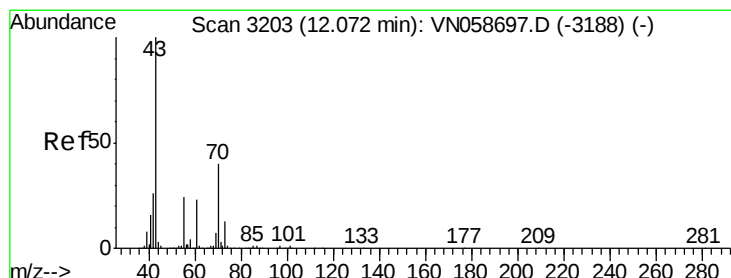
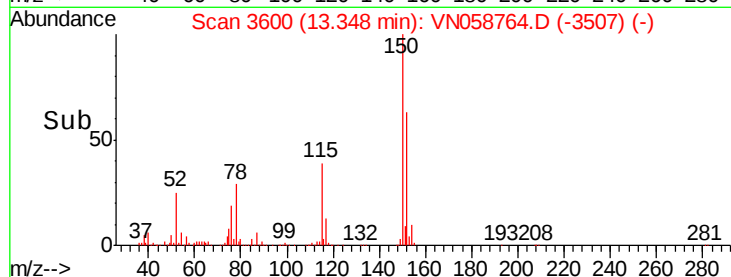
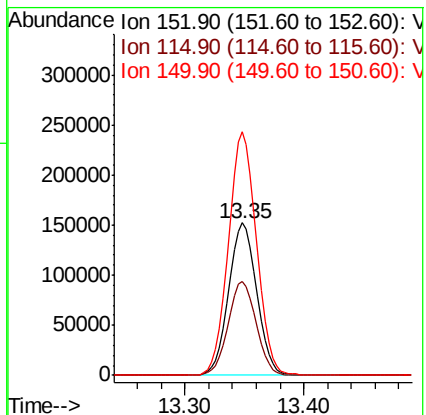
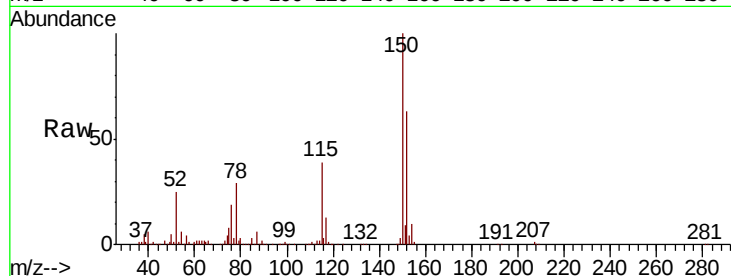
Tot Ion:152 Resp: 248965

Ion Ratio Lower Upper

152 100

115 61.3 30.4 91.2

150 159.1 0.0 345.4



#74

N-ethyl acetate

Concen: 0.327 ug/l

RT: 12.04 min Scan# 3192

Delta R.T. -0.04 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

Tgt Ion: 43 Resp: 2645

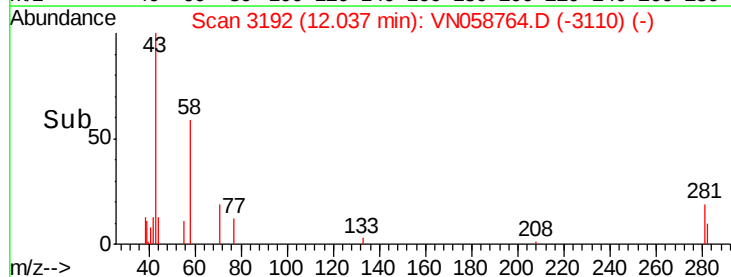
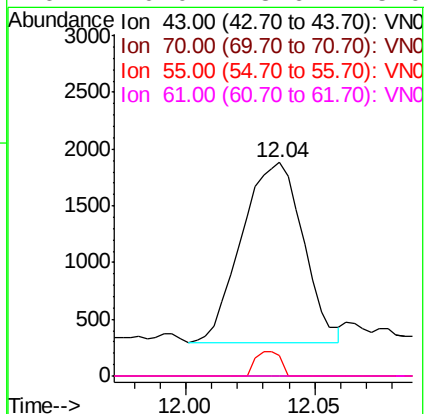
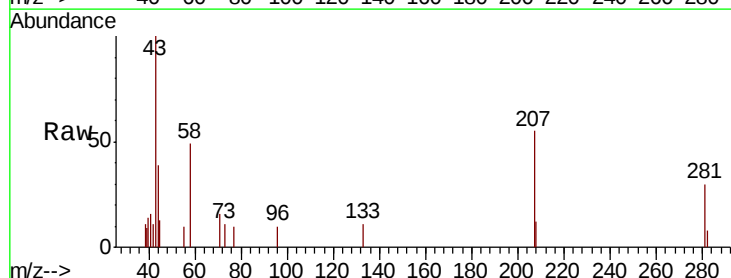
Ion Ratio Lower Upper

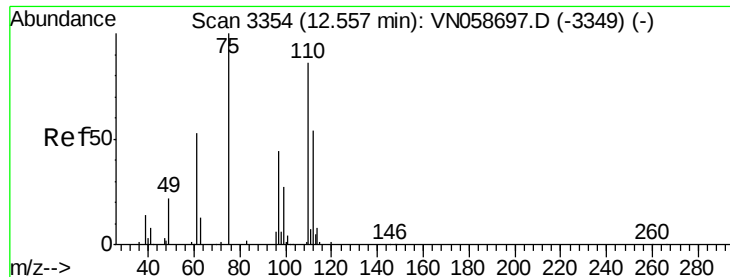
43 100

70 0.0 32.2 48.4#

55 5.6 19.6 29.4#

61 0.0 18.6 28.0#





#76

1,2,3-Trichloropropane

Concen: 26.398 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

Instrument :

MSVOA_N

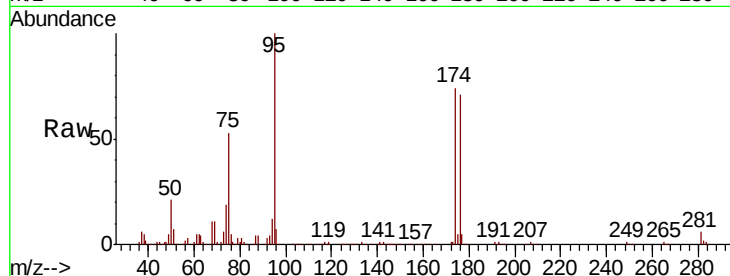
ClientSampleId :

Tot Ion: 75 Resp: 144180

Ion Ratio Lower Upper

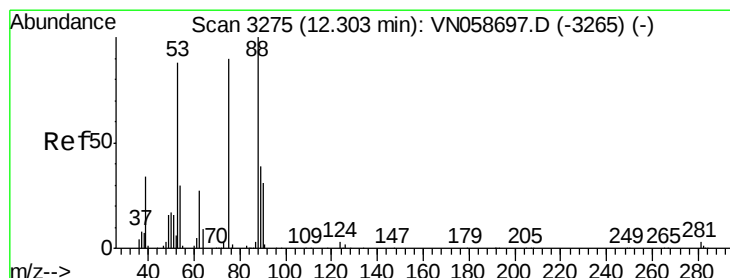
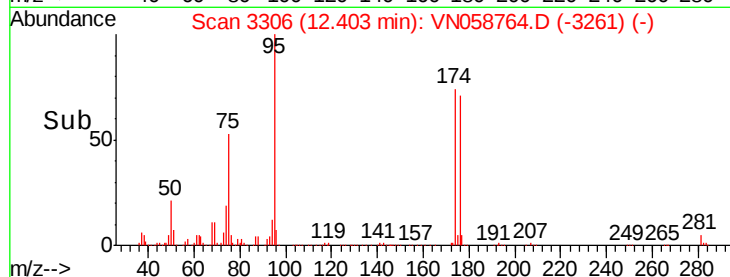
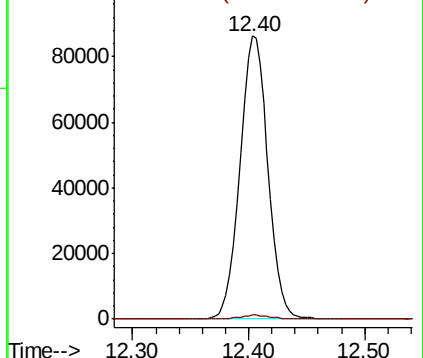
75 100

77 1.5 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: 70.713 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058764.D

Acq: 14 Oct 2019 20:58

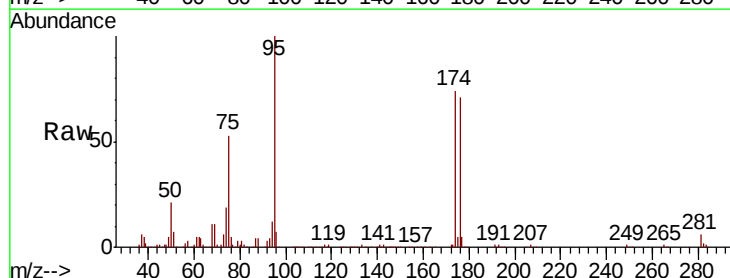
Tgt Ion: 75 Resp: 144180

Ion Ratio Lower Upper

75 100

53 0.0 78.4 117.6#

89 0.1 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

