

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN101719\
 Data File : VN058837.D
 Acq On : 17 Oct 2019 18:50
 Operator : JC/SP
 Sample : K5394-02
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 18 01:30:33 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	344866	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	554755	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	505615	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	186138	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	256328	53.09	ug/l	0.00
Spiked Amount			Recovery	=	106.18%	
35) Dibromofluoromethane	7.57	113	185146	54.03	ug/l	0.00
Spiked Amount			Recovery	=	108.06%	
50) Toluene-d8	10.08	98	711828	51.95	ug/l	0.00
Spiked Amount			Recovery	=	103.90%	
62) 4-Bromofluorobenzene	12.40	95	224832	43.35	ug/l	0.00
Spiked Amount			Recovery	=	86.70%	

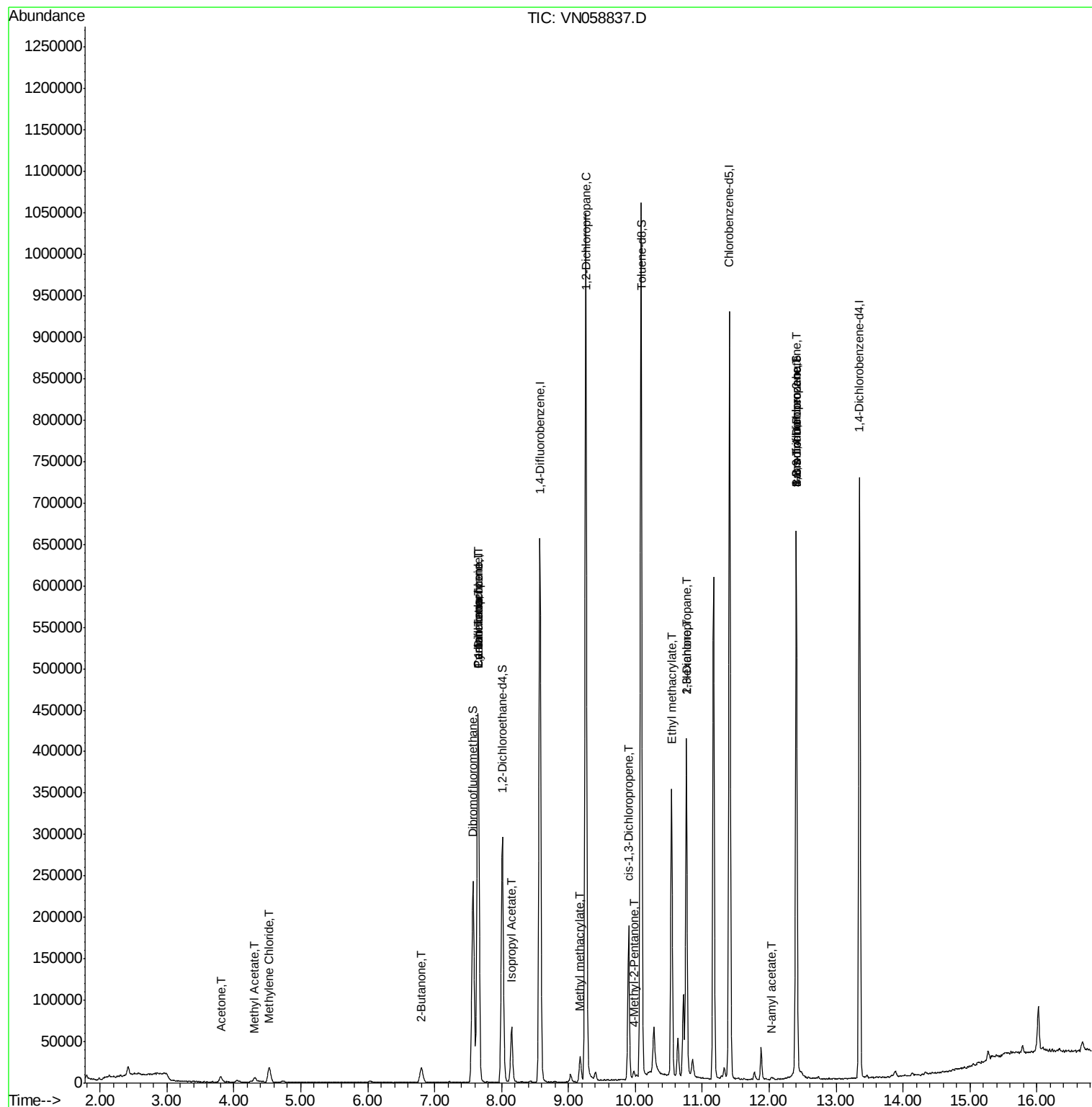
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.80	43	12552	6.280	ug/l	94
18) Methyl Acetate	4.31	43	10609	2.092	ug/l #	74
20) Methylene Chloride	4.53	84	13245	3.171	ug/l	93
25) 2-Butanone	6.80	43	2073	0.718	ug/l #	50
31) Cyclohexane	7.65	56	8294	1.171	ug/l #	13
36) 1,1-Dichloropropene	7.65	75	29815	5.316	ug/l #	49
38) Carbon Tetrachloride	7.65	117	36698	6.713	ug/l #	18
43) Isopropyl Acetate	8.15	43	77516	8.022	ug/l #	89
45) 1,2-Dichloropropane	9.26	63	1244	0.288	ug/l #	45
48) Methyl methacrylate	9.17	41	5274	1.204	ug/l #	14
51) 4-Methyl-2-Pentanone	9.98	43	5802	1.069	ug/l	97
54) cis-1,3-Dichloropropene	9.90	75	31062	4.581	ug/l #	68
56) Ethyl methacrylate	10.54	69	1680	0.285	ug/l #	1
57) 1,3-Dichloropropane	10.76	76	4111	0.598	ug/l #	42
59) 2-Hexanone	10.76	43	62357	14.868	ug/l #	53
71) Bromoform	12.41	173	1246	0.448	ug/l #	1
74) N-amyl acetate	12.03	43	2477	0.409	ug/l #	44
76) 1,2,3-Trichloropropane	12.40	75	118095	28.921	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	118095	77.469	ug/l #	11

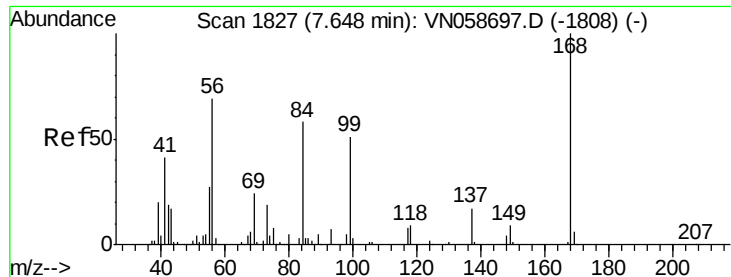
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058837.D

Acq: 17 Oct 2019 18:50

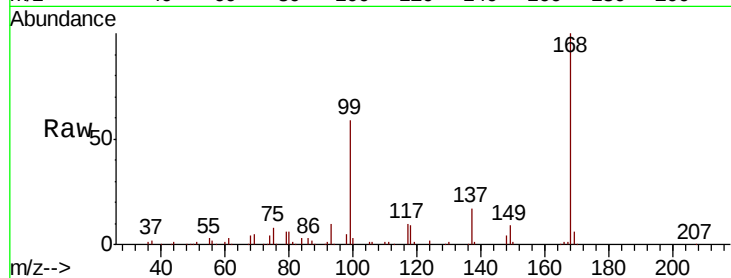
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 344866

Ion Ratio Lower Upper

168 100

99 59.2 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

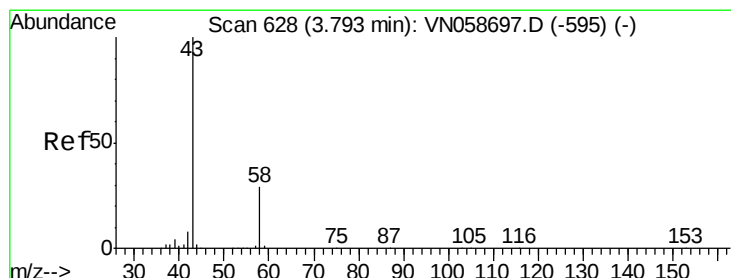
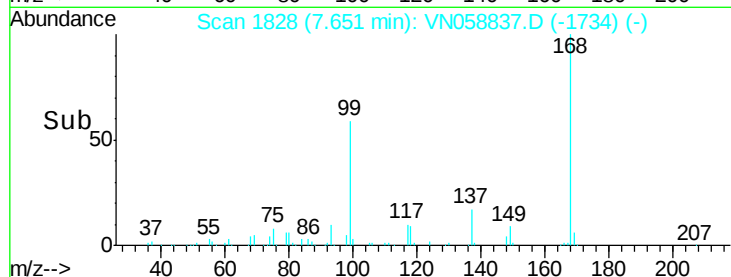
150000

100000

50000

0

Time-->



#16

Acetone

Concen: 6.280 ug/l

RT: 3.80 min Scan# 631

Delta R.T. 0.01 min

Lab File: VN058837.D

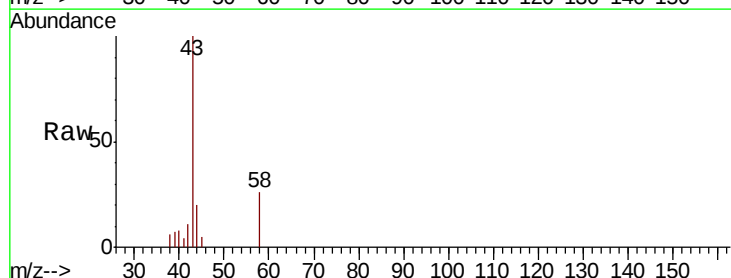
Acq: 17 Oct 2019 18:50

Tgt Ion: 43 Resp: 12552

Ion Ratio Lower Upper

43 100

58 25.9 23.3 34.9



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

3.80

5000

4000

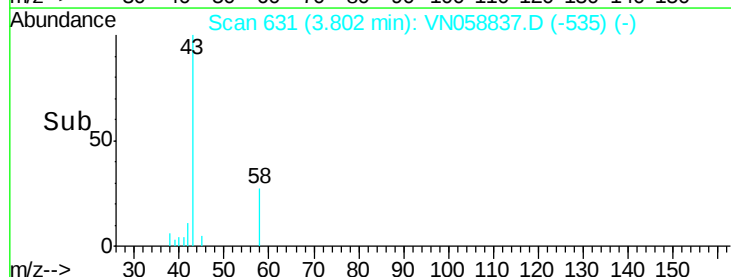
3000

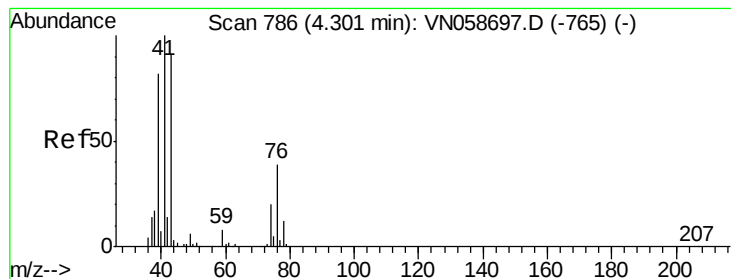
2000

1000

0

Time-->





#18

Methyl Acetate

Concen: 2.092 ug/l

RT: 4.31 min Scan# 790

Delta R.T. 0.01 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

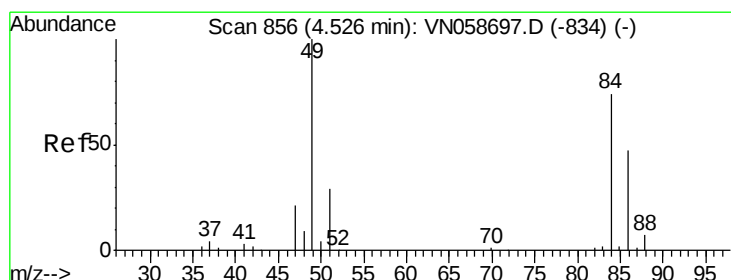
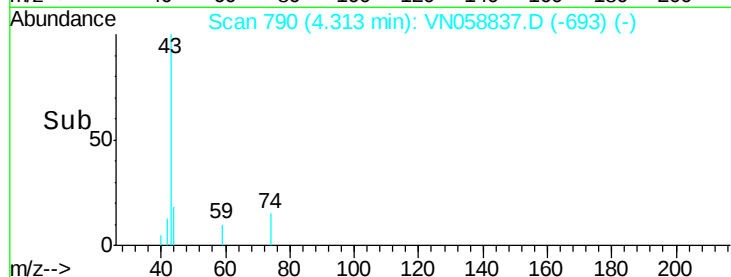
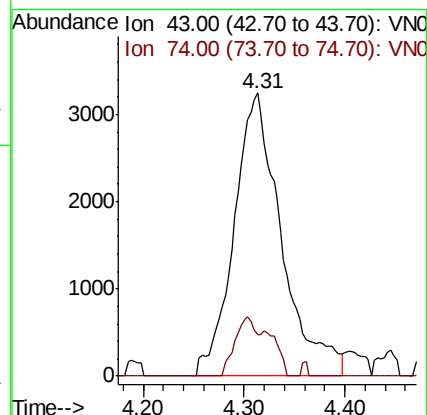
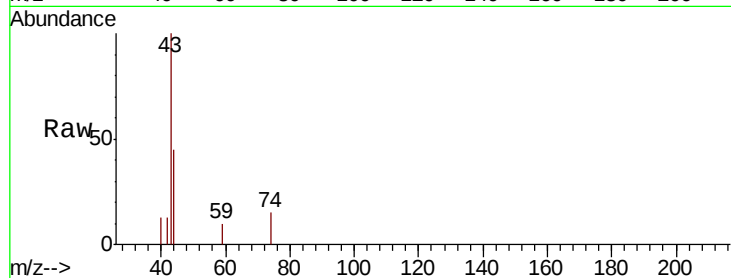
ClientSampleId :

Tot Ion: 43 Resp: 10609

Ion Ratio Lower Upper

43 100

74 9.3 17.2 25.8#



#20

Methylene Chloride

Concen: 3.171 ug/l

RT: 4.53 min Scan# 857

Delta R.T. 0.00 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Tgt Ion: 84 Resp: 13245

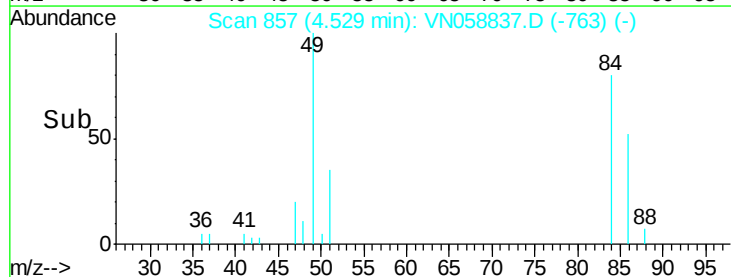
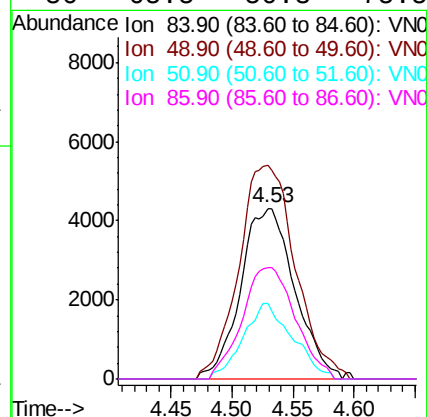
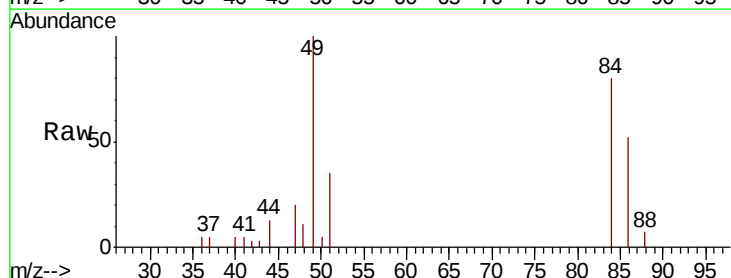
Ion Ratio Lower Upper

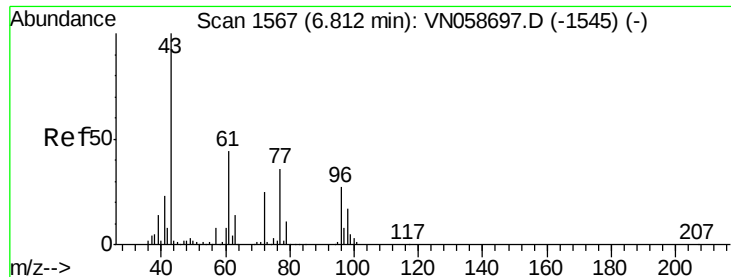
84 100

49 125.2 107.6 161.4

51 44.2 31.4 47.0

86 65.5 50.3 75.5





#25

2-Butanone

Concen: 0.718 ug/l

RT: 6.80 min Scan# 1563

Delta R.T. -0.01 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

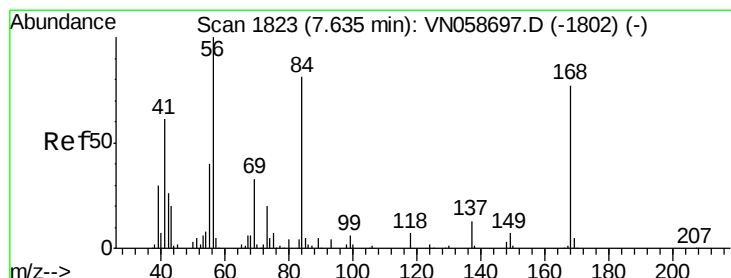
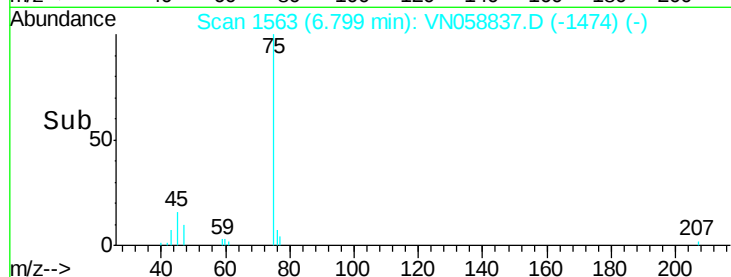
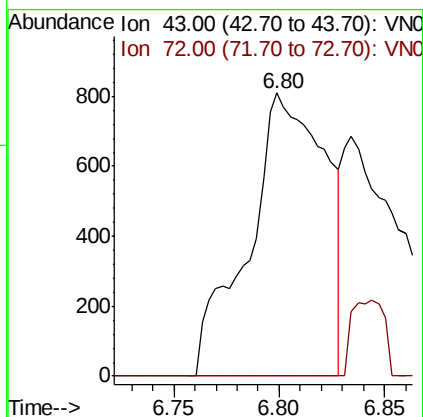
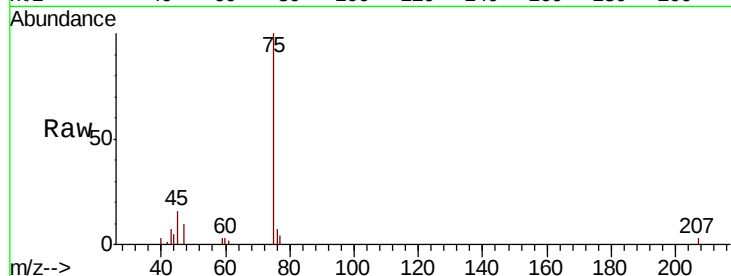
ClientSampleId :

Tot Ion: 43 Resp: 2073

Ion Ratio Lower Upper

43 100

72 0.0 20.2 30.2#



#31

Cyclohexane

Concen: 1.171 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

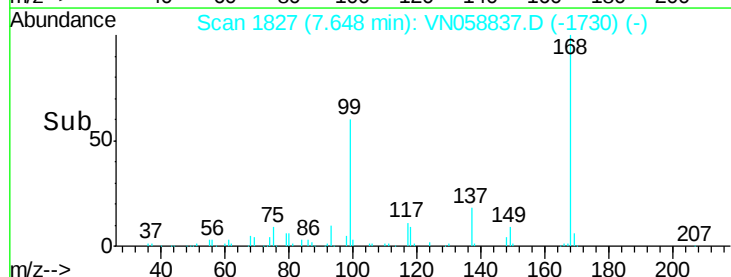
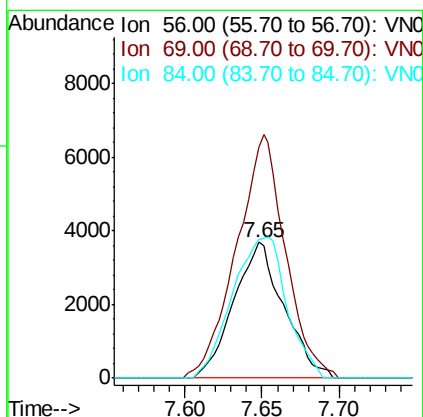
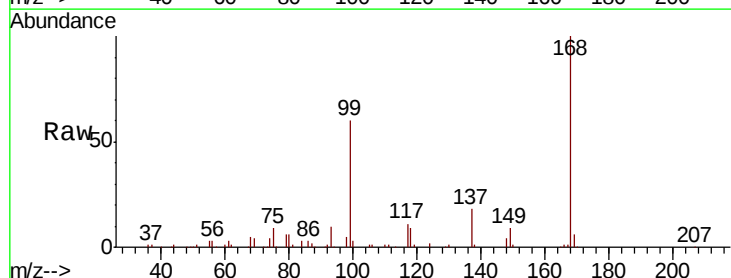
Tgt Ion: 56 Resp: 8294

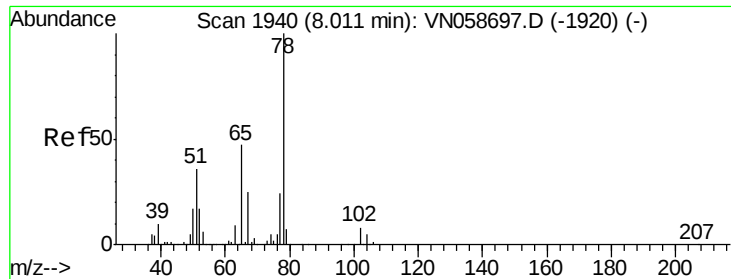
Ion Ratio Lower Upper

56 100

69 169.9 26.2 39.4#

84 102.2 64.9 97.3#

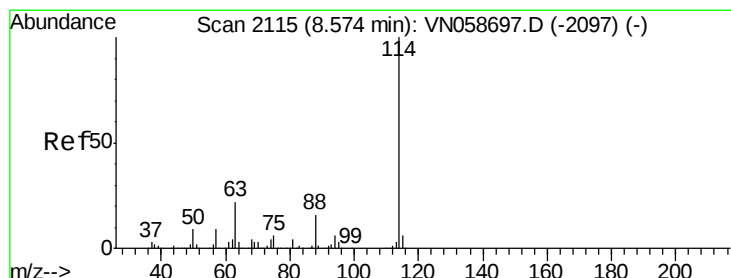
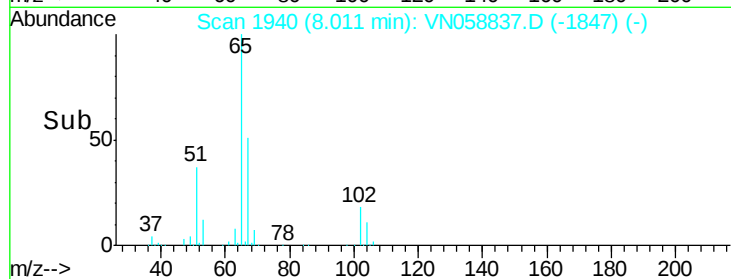
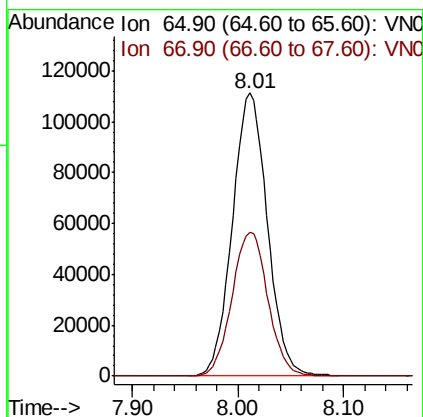
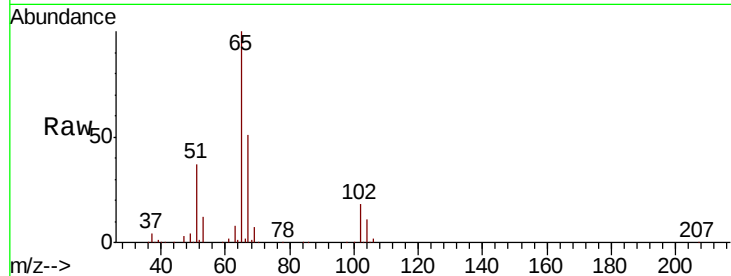




#33
 1,2-Dichloroethane-d4
 Concen: 53.091 ug/l
 RT: 8.01 min Scan# 1940
 Delta R.T. 0.00 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

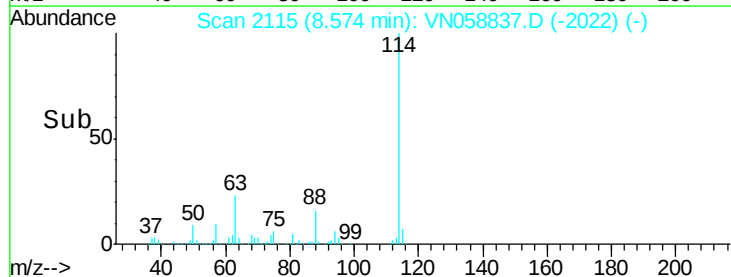
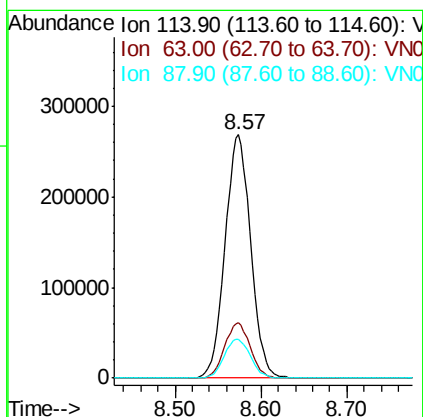
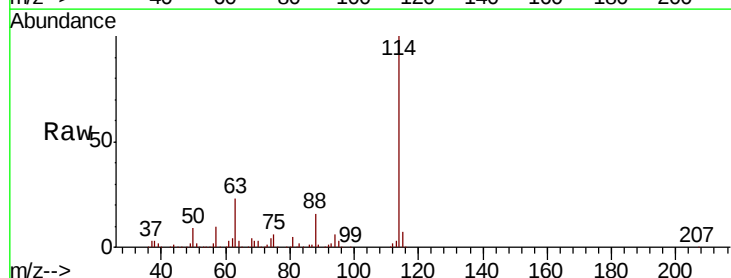
Instrument :
 MSVOA_N
 ClientSampled :

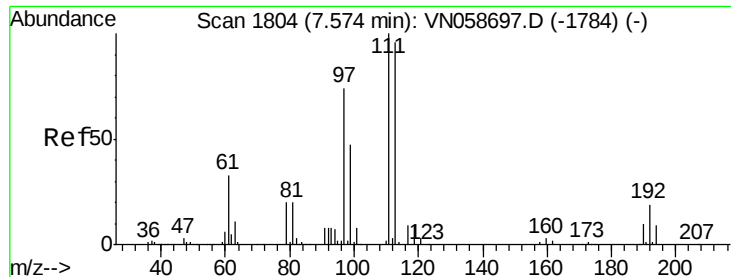
Tot Ion: 65 Resp: 256328
 Ion Ratio Lower Upper
 65 100
 67 52.2 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

Tgt Ion: 114 Resp: 554755
 Ion Ratio Lower Upper
 114 100
 63 22.5 0.0 43.8
 88 16.0 0.0 32.0

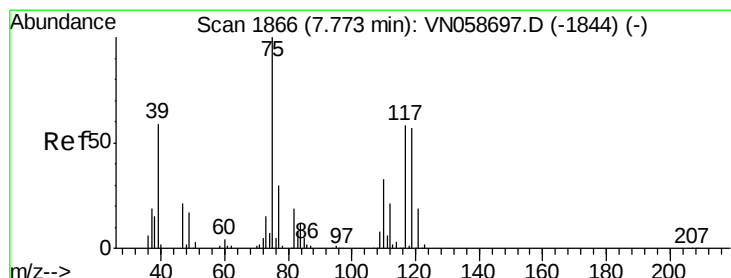
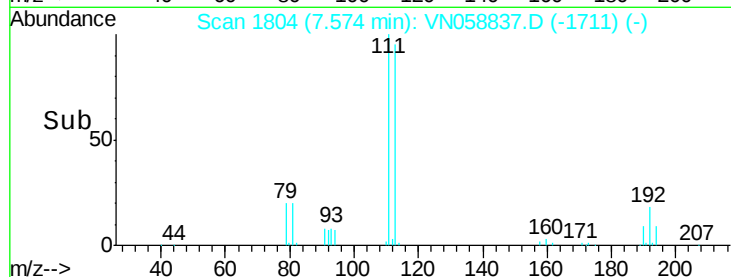
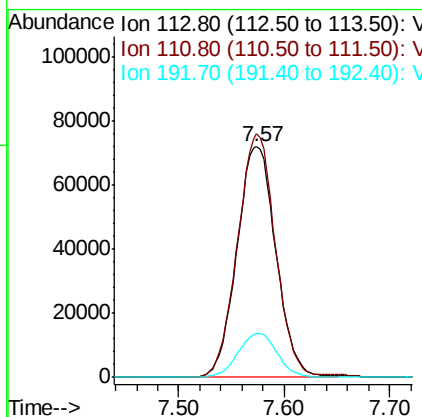
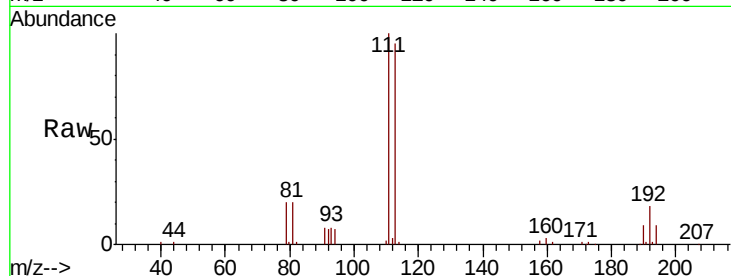




#35
 Dibromofluoromethane
 Concen: 54.032 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

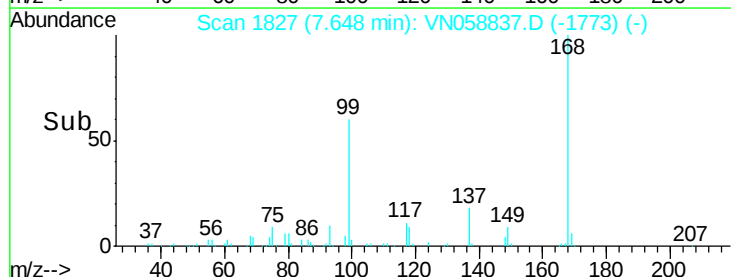
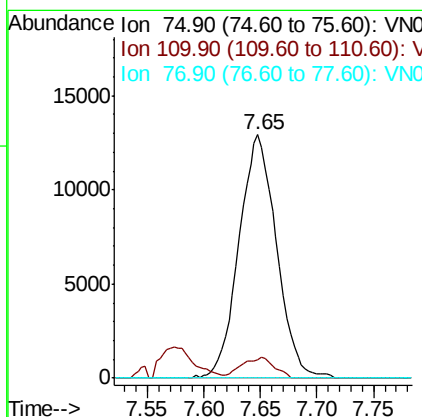
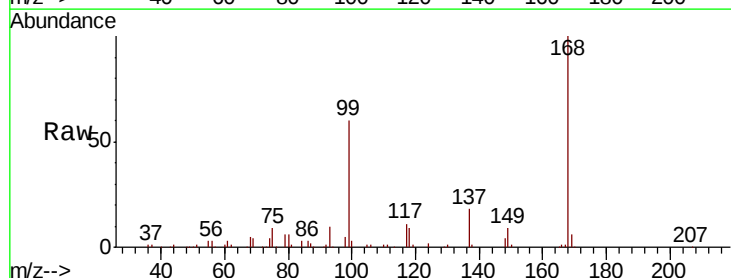
Instrument :
 MSVOA_N
 ClientSampleId :

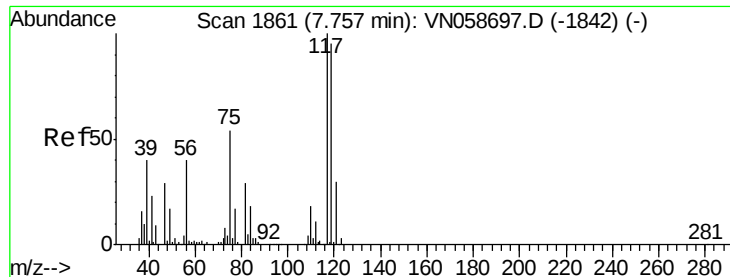
Tot Ion:113 Resp: 185146
 Ion Ratio Lower Upper
 113 100
 111 103.5 82.3 123.5
 192 18.9 15.0 22.6



#36
 1,1-Dichloropropene
 Concen: 5.316 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

Tgt Ion: 75 Resp: 29815
 Ion Ratio Lower Upper
 75 100
 110 7.3 16.6 49.8#
 77 0.0 24.6 37.0#





#38

Carbon Tetrachloride

Concen: 6.713 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. -0.11 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

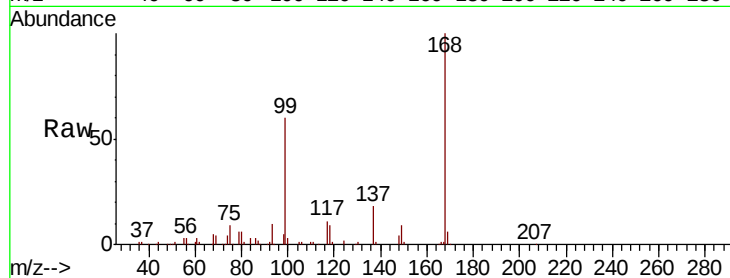
Tot Ion:117 Resp: 36698

Ion Ratio Lower Upper

117 100

119 6.9 75.7 113.5#

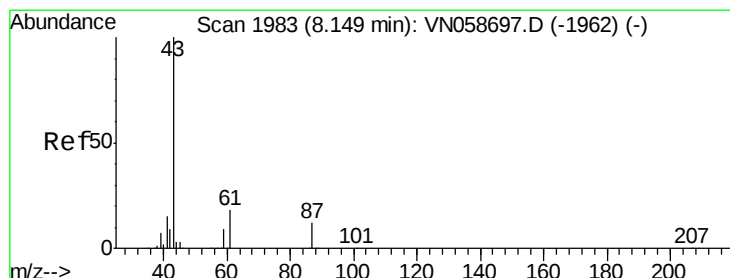
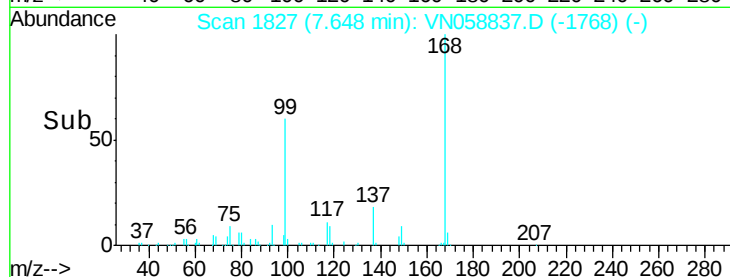
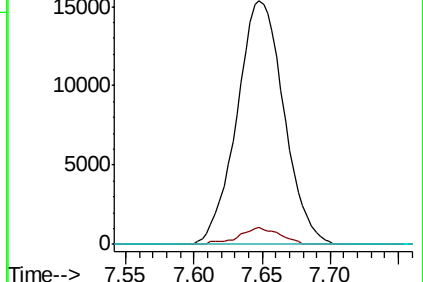
121 0.0 23.9 35.9#



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



#43

Isopropyl Acetate

Concen: 8.022 ug/l

RT: 8.15 min Scan# 1983

Delta R.T. 0.00 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

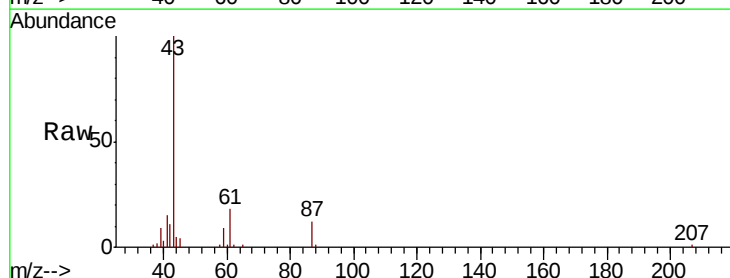
Tgt Ion: 43 Resp: 77516

Ion Ratio Lower Upper

43 100

61 17.3 20.3 30.5#

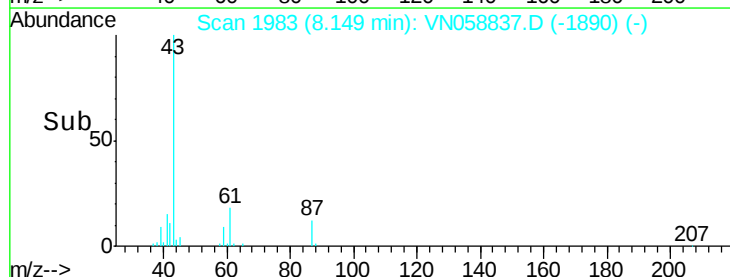
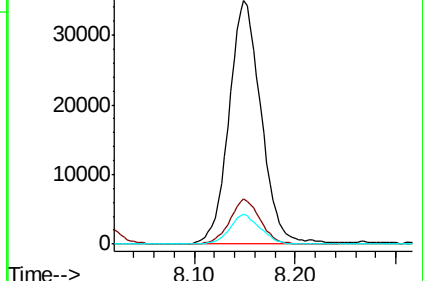
87 11.4 9.8 14.6

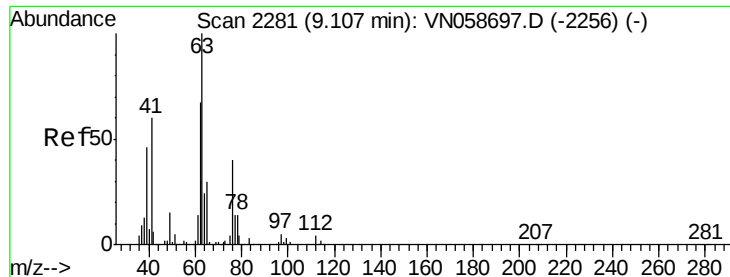


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 61.00 (60.70 to 61.70): VNO

Ion 87.00 (86.70 to 87.70): VNO





#45

1,2-Dichloropropane

Concen: 0.288 ug/l

RT: 9.26 min Scan# 2328

Delta R.T. 0.15 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

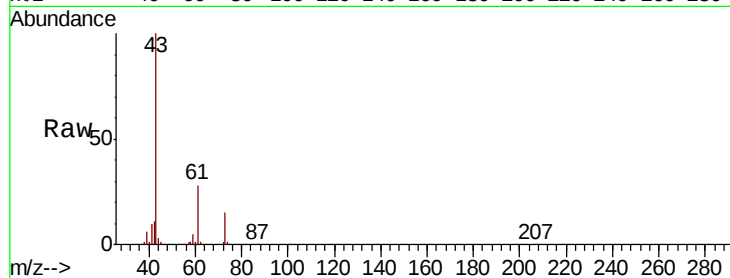
ClientSampleId :

Tot Ion: 63 Resp: 1244

Ion Ratio Lower Upper

63 100

65 0.0 24.1 36.1#



Abundance Ion 62.90 (62.60 to 63.60): VNC

Ion 64.90 (64.60 to 65.60): VNC

9.26

800

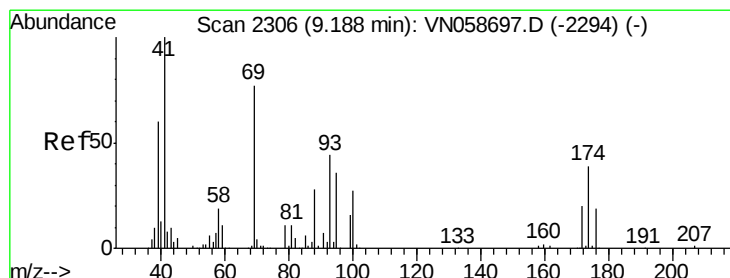
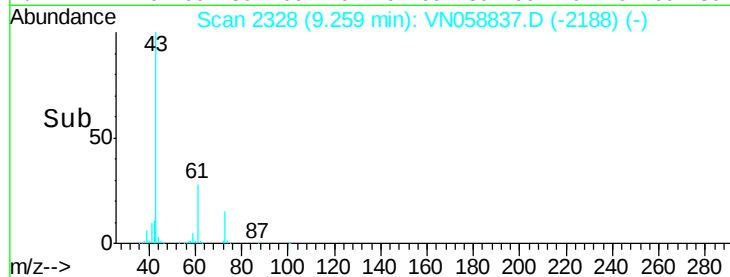
600

400

200

0

Time-->



#48

Methyl methacrylate

Concen: 1.204 ug/l

RT: 9.17 min Scan# 2301

Delta R.T. -0.02 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

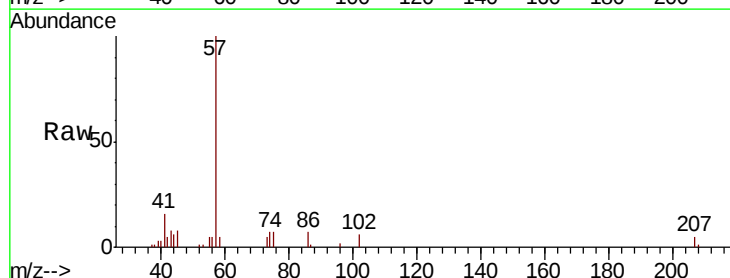
Tgt Ion: 41 Resp: 5274

Ion Ratio Lower Upper

41 100

69 0.0 63.4 95.2#

39 0.0 48.9 73.3#



Abundance Ion 41.00 (40.70 to 41.70): VNC

Ion 69.00 (68.70 to 69.70): VNC

Ion 39.00 (38.70 to 39.70): VNC

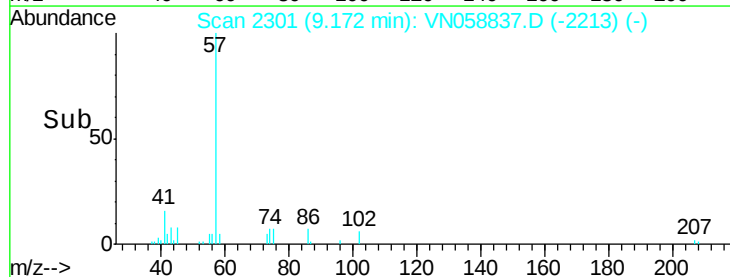
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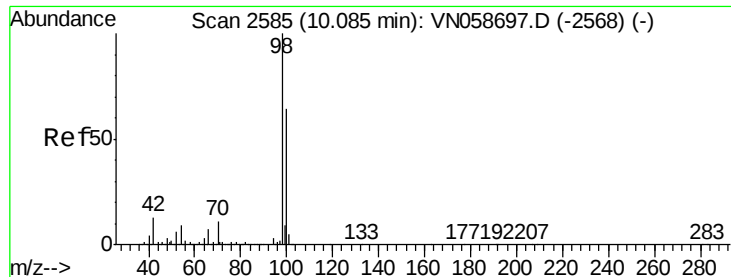
40000

20000

0

Time-->





#50

Toluene-d8

Concen: 51.949 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

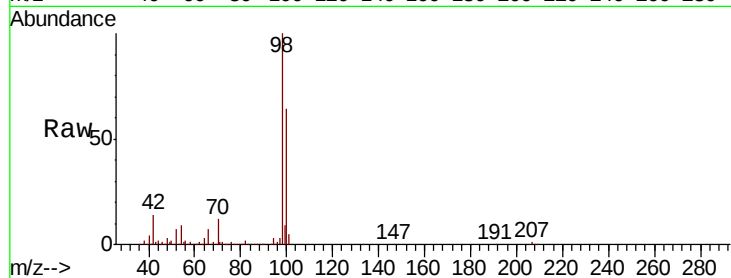
ClientSampled :

Tot Ion: 98 Resp: 711828

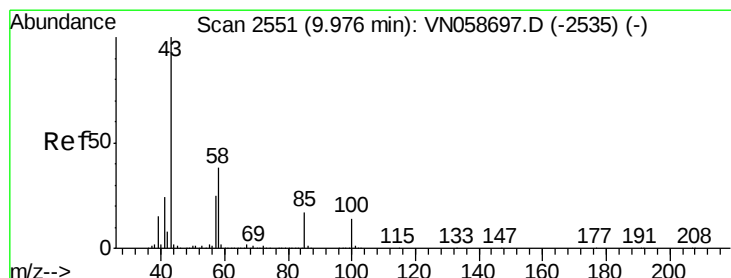
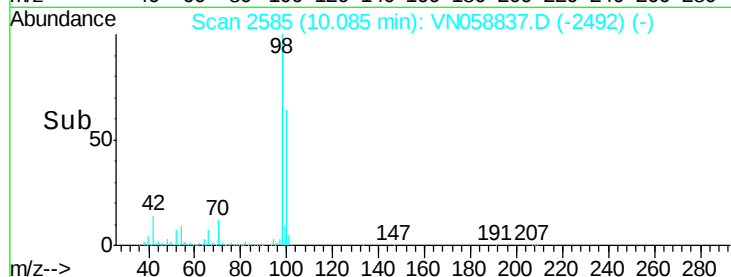
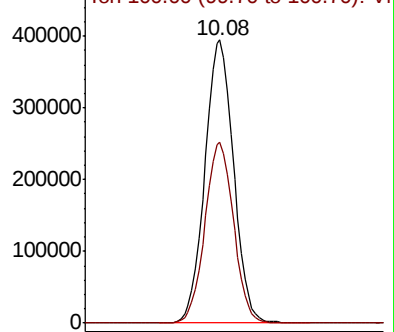
Ion Ratio Lower Upper

98 100

100 63.7 51.1 76.7



Abundance Ion 98.00 (97.70 to 98.70): VN058697.D (-2568) (-)



#51

4-Methyl-2-Pentanone

Concen: 1.069 ug/l

RT: 9.98 min Scan# 2552

Delta R.T. 0.00 min

Lab File: VN058837.D

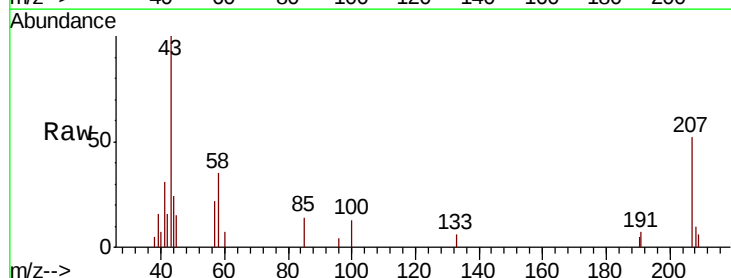
Acq: 17 Oct 2019 18:50

Tgt Ion: 43 Resp: 5802

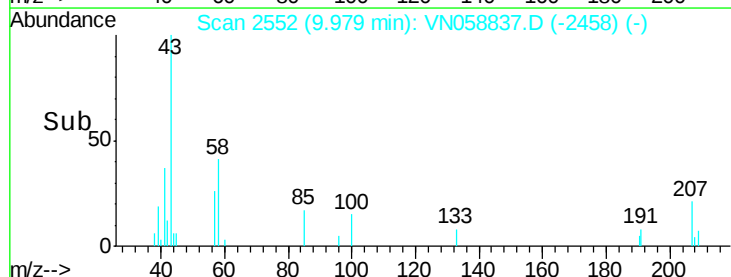
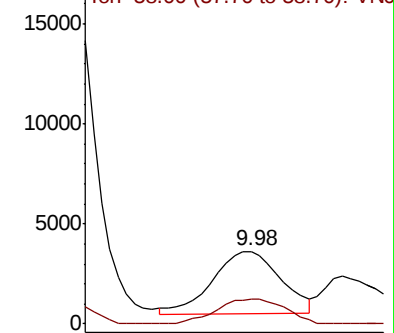
Ion Ratio Lower Upper

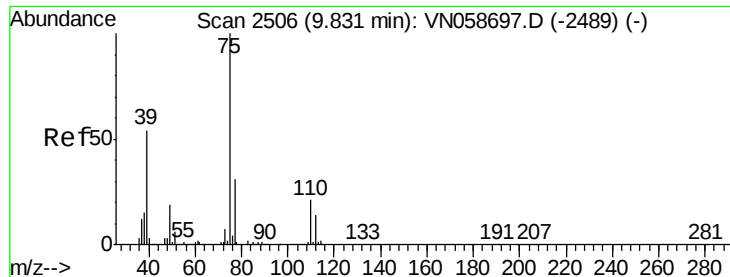
43 100

58 39.7 30.3 45.5



Abundance Ion 43.00 (42.70 to 43.70): VN058697.D (-2535) (-)



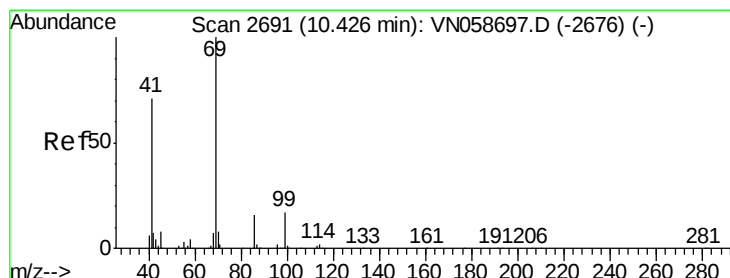
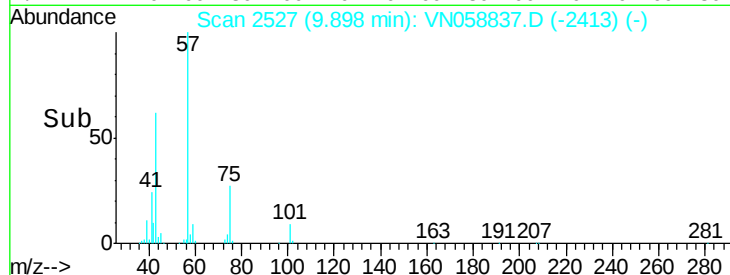
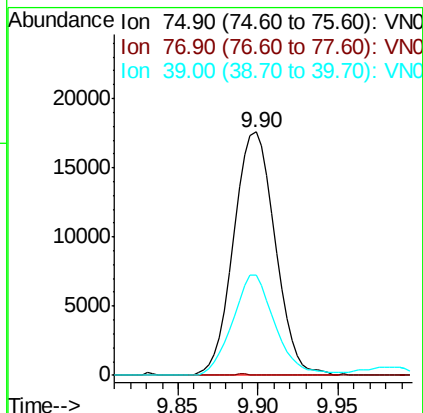
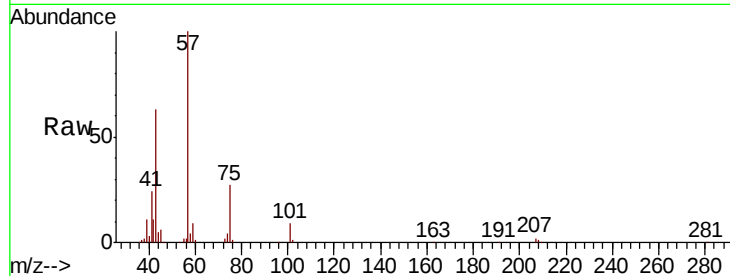


#54

cis-1,3-Dichloropropene
 Concen: 4.581 ug/l
 RT: 9.90 min Scan# 2527
 Delta R.T. 0.07 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

Instrument :
 MSVOA_N
 ClientSampleId :

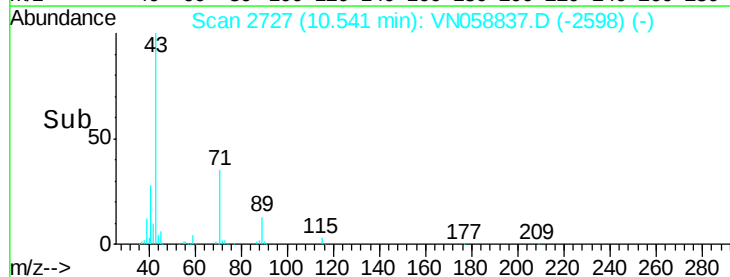
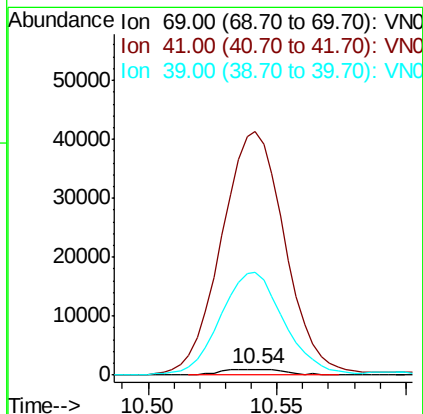
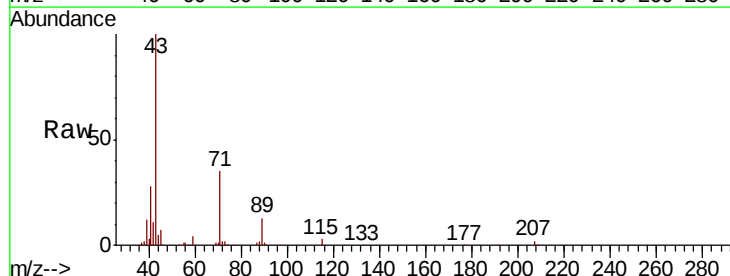
Tot Ion	Ratio	Lower	Upper
75	100		
77	0.0	24.4	36.6#
39	41.0	43.1	64.7#

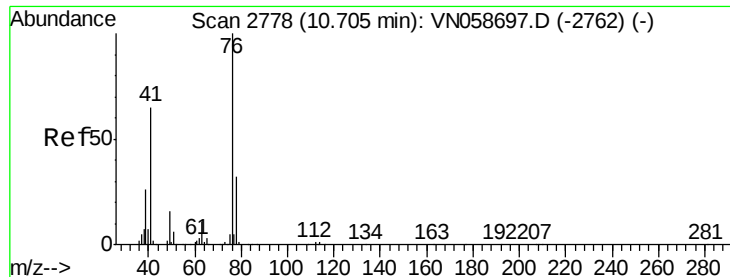


#56

Ethyl methacrylate
 Concen: 0.285 ug/l
 RT: 10.54 min Scan# 2727
 Delta R.T. 0.12 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

Tgt Ion	Ratio	Lower	Upper
69	100		
41	4250.7	56.8	85.2#
39	1793.8	32.5	48.7#

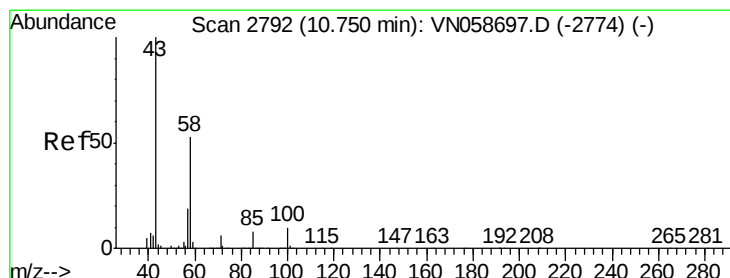
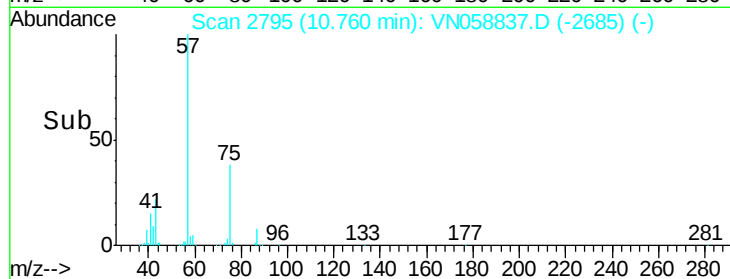
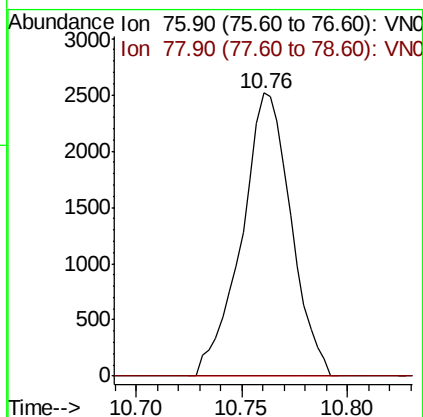
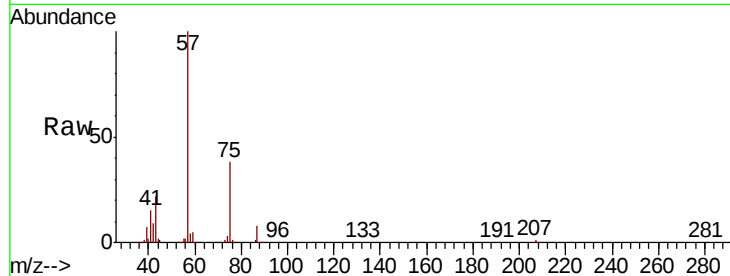




#57
 1,3-Dichloropropane
 Concen: 0.598 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.05 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

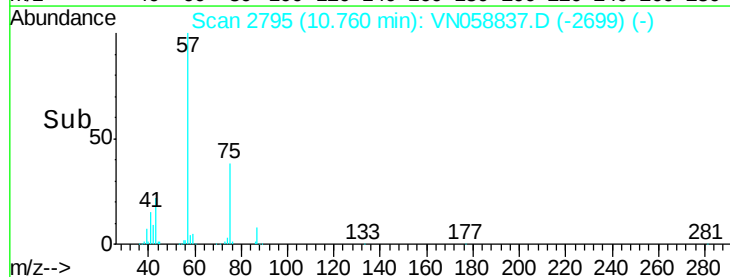
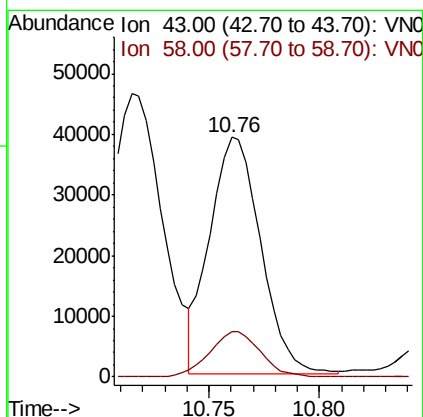
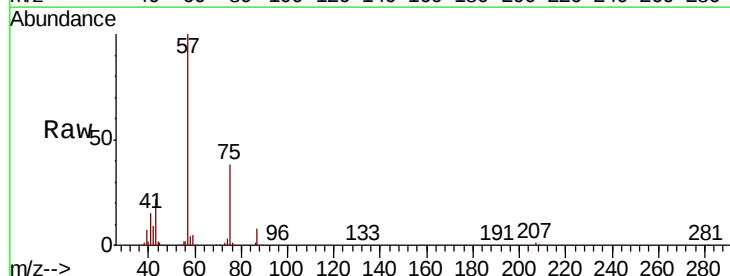
Instrument :
 MSVOA_N
 ClientSampleId :

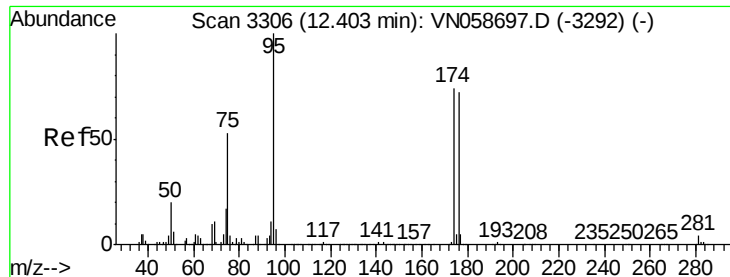
Tot Ion: 76 Resp: 4111
 Ion Ratio Lower Upper
 76 100
 78 0.0 25.9 38.9#



#59
 2-Hexanone
 Concen: 14.868 ug/l
 RT: 10.76 min Scan# 2795
 Delta R.T. 0.01 min
 Lab File: VN058837.D
 Acq: 17 Oct 2019 18:50

Tgt Ion: 43 Resp: 62357
 Ion Ratio Lower Upper
 43 100
 58 19.2 26.1 78.3#





#62

4-Bromofluorobenzene

Concen: 43.347 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

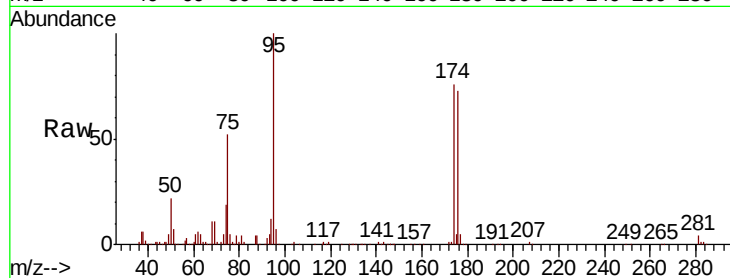
Tot Ion: 95 Resp: 224832

Ion Ratio Lower Upper

95 100

174 75.9 0.0 150.4

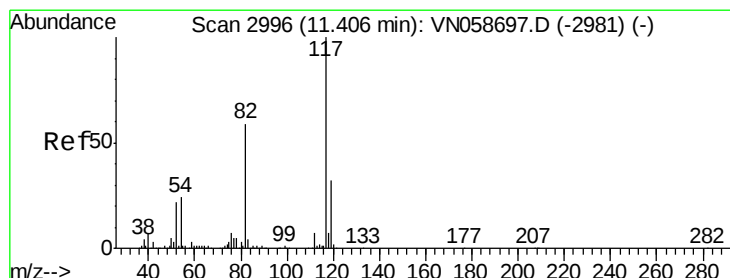
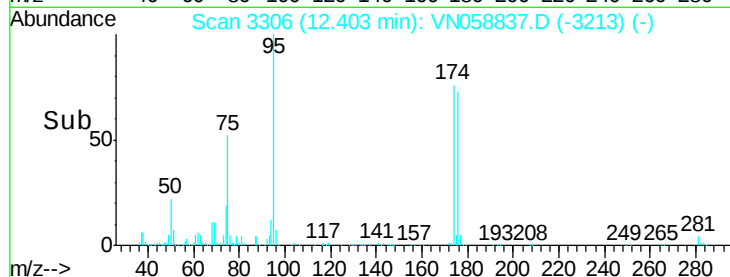
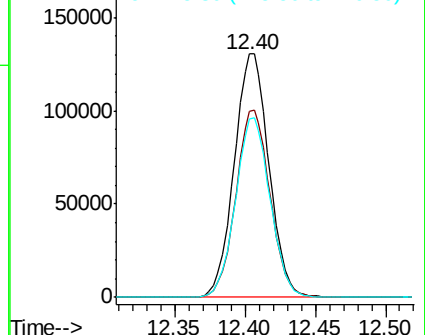
176 73.4 0.0 146.8



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

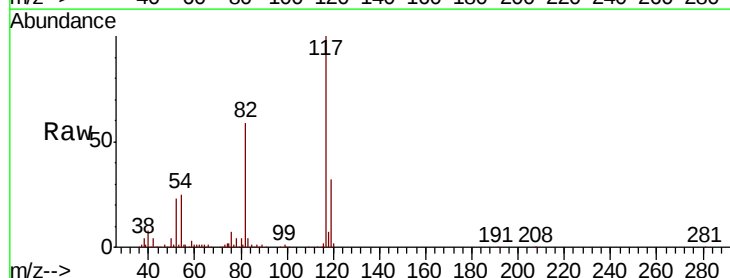
Tgt Ion: 117 Resp: 505615

Ion Ratio Lower Upper

117 100

82 58.9 47.0 70.4

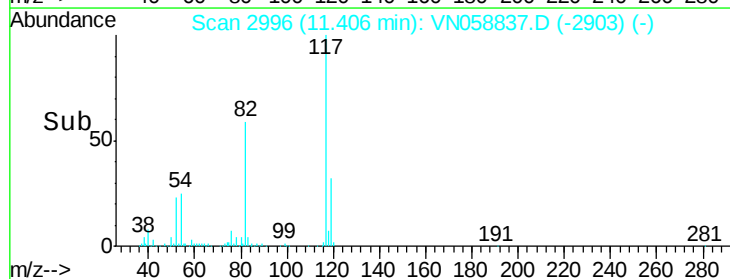
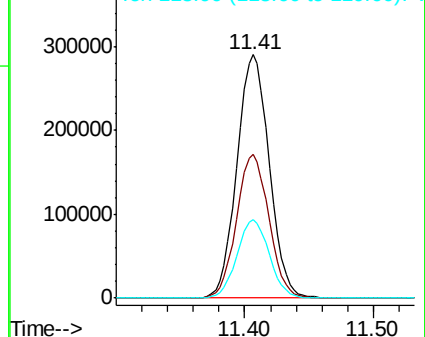
119 32.1 25.4 38.2

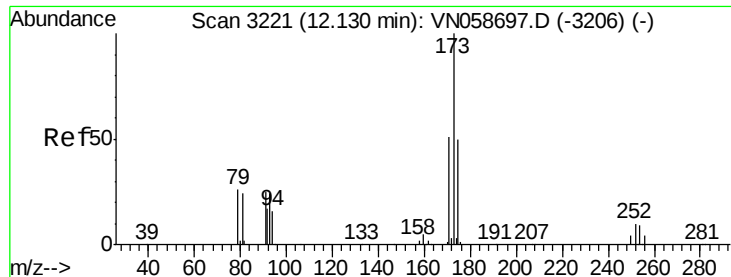


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.448 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.28 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

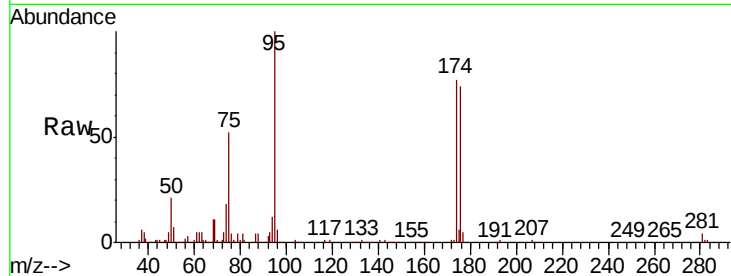
Tot Ion:173 Resp: 1246

Ion Ratio Lower Upper

173 100

175 865.1 24.6 73.8#

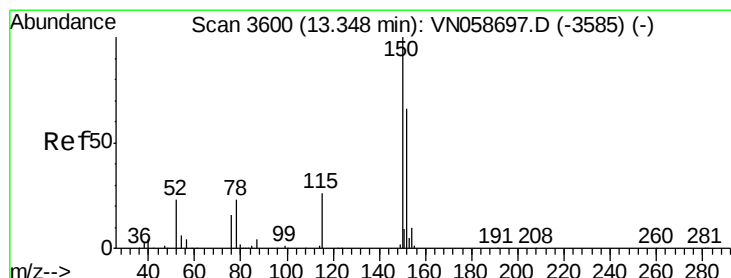
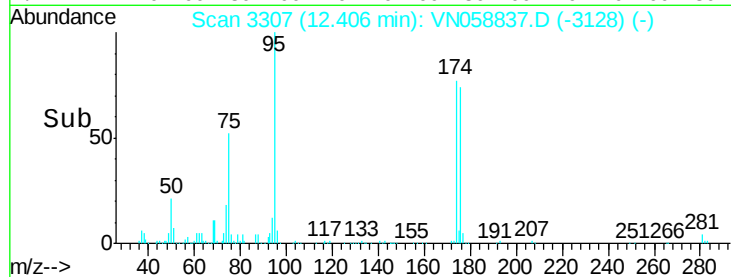
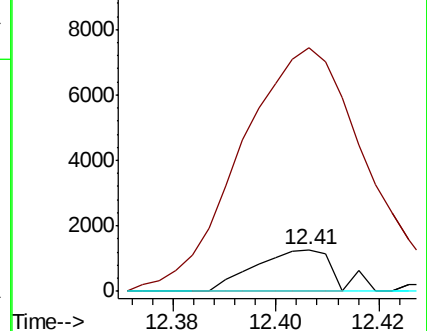
254 0.0 0.1 0.1#



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: VN058837.D

Acq: 17 Oct 2019 18:50

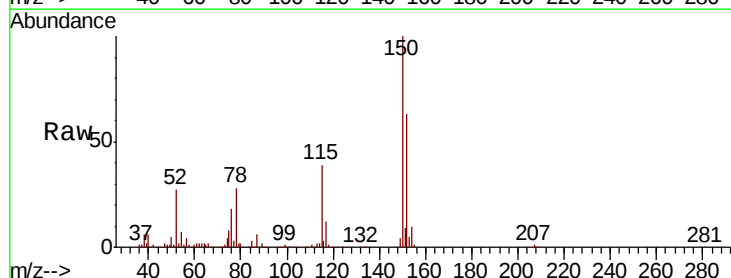
Tgt Ion:152 Resp: 186138

Ion Ratio Lower Upper

152 100

115 61.0 30.4 91.2

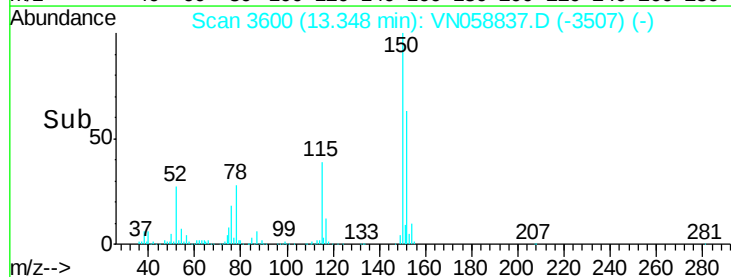
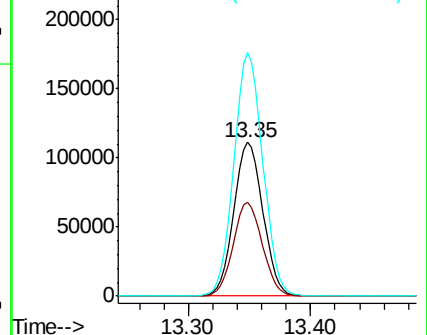
150 157.0 0.0 345.4

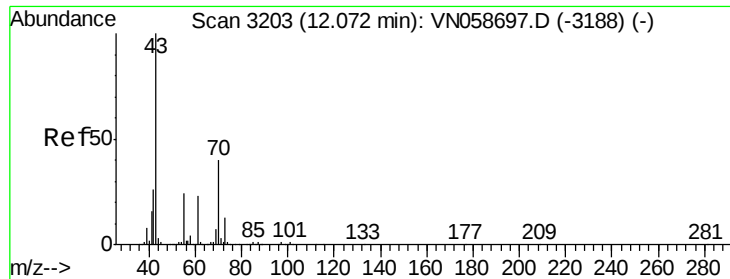


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#74

N-amvl acetate

Concen: 0.409 ug/l

RT: 12.03 min Scan# 3189

Delta R.T. -0.04 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

ClientSampled :

Tot Ion: 43 Resp: 2477

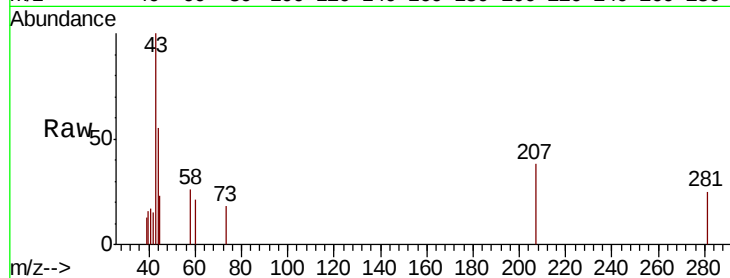
Ion Ratio Lower Upper

43 100

70 0.0 32.2 48.4#

55 0.0 19.6 29.4#

61 0.0 18.6 28.0#

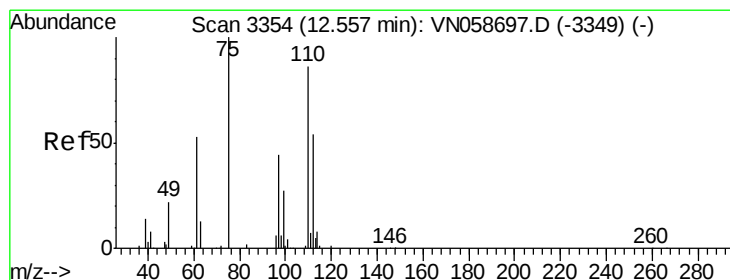
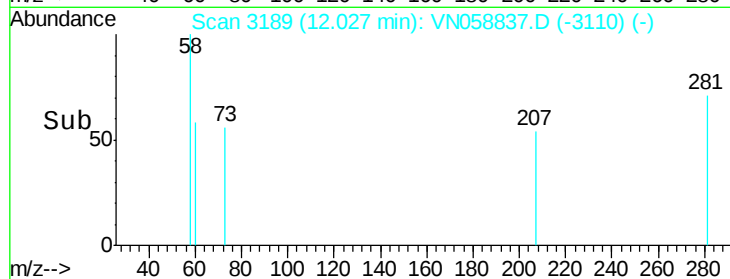
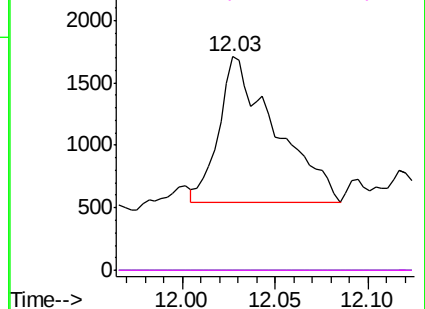


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 28.921 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN058837.D

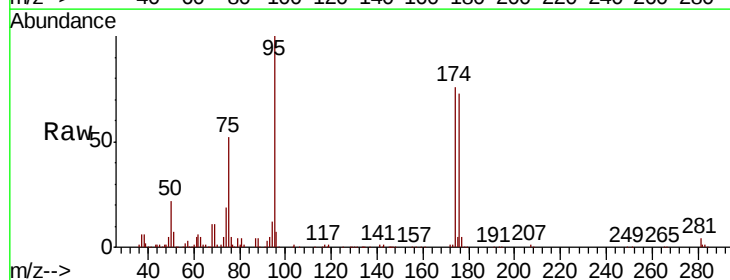
Acq: 17 Oct 2019 18:50

Tgt Ion: 75 Resp: 118095

Ion Ratio Lower Upper

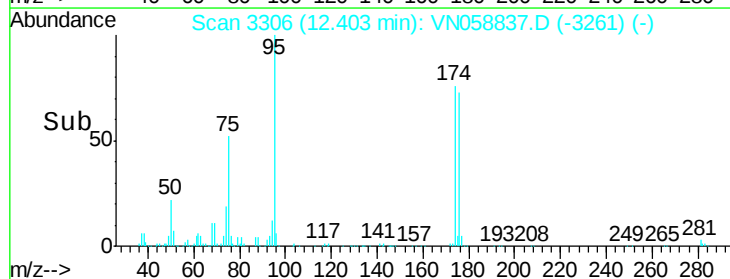
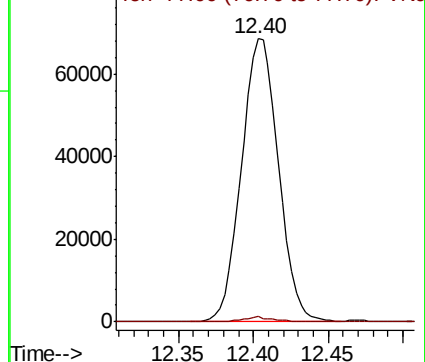
75 100

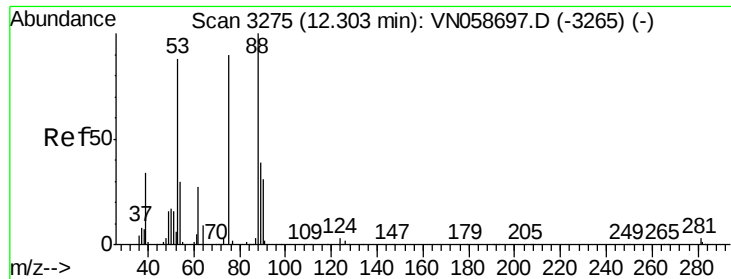
77 1.5 0.0 0.0#



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: 77.469 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN058837.D

Acq: 17 Oct 2019 18:50

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 118095

Ion Ratio Lower Upper

75 100

53 0.2 78.4 117.6#

89 0.1 34.9 52.3#

