

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN100419\
 Data File : VN058539.D
 Acq On : 4 Oct 2019 14:41
 Operator : JC/SP
 Sample : K5176-19 100X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 04 23:38:05 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N092719W.M
 Quant Title : SW846 8260
 QLast Update : Mon Sep 30 08:07:38 2019
 Response via : Initial Calibration

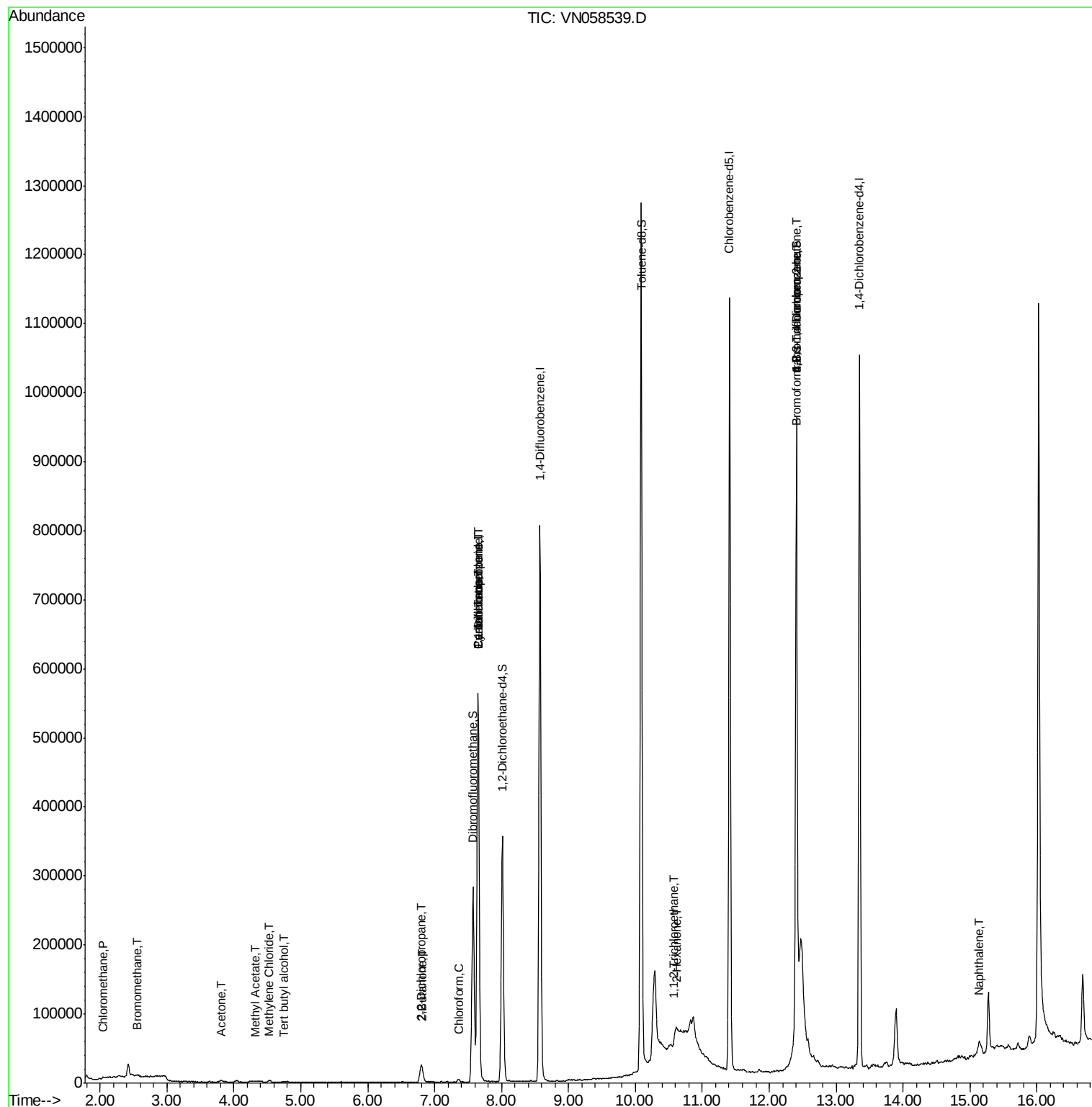
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.65	168	438907	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	698208	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	614592	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	257109	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.01	65	308194	48.05	ug/l	0.00
Spiked Amount 50.000			Recovery	=	96.10%	
35) Dibromofluoromethane	7.57	113	211612	49.45	ug/l	0.00
Spiked Amount 50.000			Recovery	=	98.90%	
50) Toluene-d8	10.09	98	863286	51.50	ug/l	0.00
Spiked Amount 50.000			Recovery	=	103.00%	
62) 4-Bromofluorobenzene	12.40	95	286886	47.33	ug/l	0.00
Spiked Amount 50.000			Recovery	=	94.66%	
Target Compounds				Qvalue		
3) Chloromethane	2.04	50	2111	0.399	ug/l	100
5) Bromomethane	2.55	94	701	0.255	ug/l	83
11) Tert butyl alcohol	4.74	59	429	0.602	ug/l #	71
16) Acetone	3.81	43	2876	1.315	ug/l	99
18) Methyl Acetate	4.32	43	1587	0.289	ug/l #	53
20) Methylene Chloride	4.54	84	1870	0.371	ug/l #	80
25) 2-Butanone	6.82	43	2405	0.801	ug/l #	50
26) 2,2-Dichloropropane	6.80	77	1600	0.213	ug/l #	54
30) Chloroform	7.35	83	4683	0.506	ug/l	88
31) Cyclohexane	7.65	56	11082	1.248	ug/l #	8
36) 1,1-Dichloropropene	7.65	75	38650	5.789	ug/l #	51
38) Carbon Tetrachloride	7.65	117	43663	7.245	ug/l #	16
55) 1,1,2-Trichloroethane	10.56	97	884	0.201	ug/l #	13
59) 2-Hexanone	10.61	43	1790	0.450	ug/l	96
60) Dibromochloromethane	10.66	129	31	Below Cal	#	11
71) Bromoform	12.39	173	118	0.736	ug/l #	1
76) 1,2,3-Trichloropropane	12.41	75	158372	33.724	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	158372	102.424	ug/l #	8
95) Naphthalene	15.14	128	4008	0.290	ug/l #	87

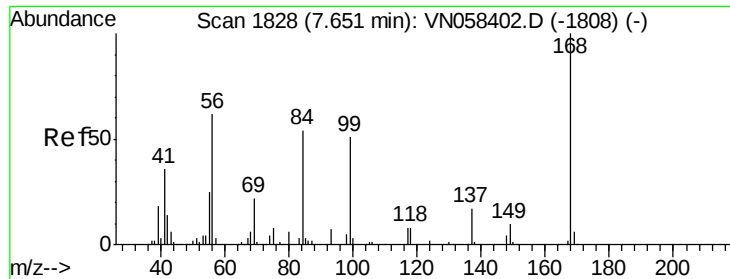
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Mon Sep 30 08:07:38 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: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA_N

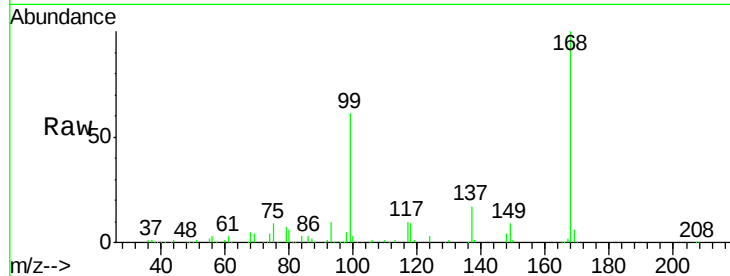
ClientSampleId :

Tot Ion:168 Resp: 438907

Ion Ratio Lower Upper

168 100

99 60.9 47.7 71.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.65

200000

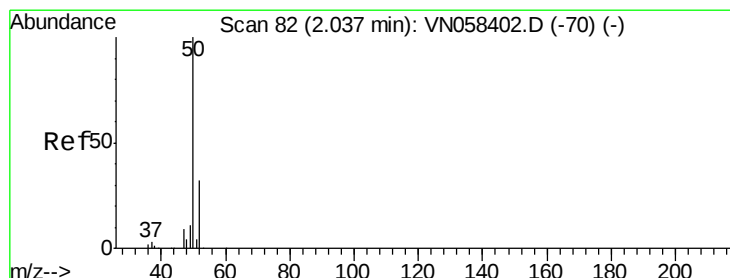
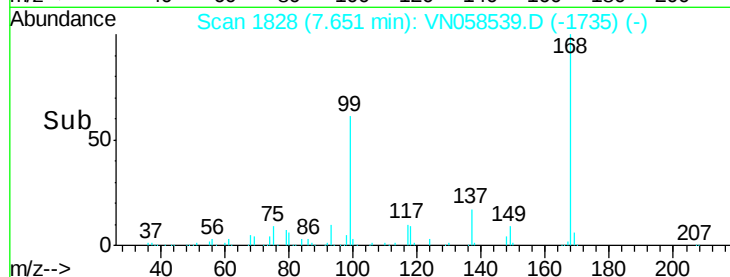
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.399 ug/l

RT: 2.04 min Scan# 83

Delta R.T. 0.00 min

Lab File: VN058539.D

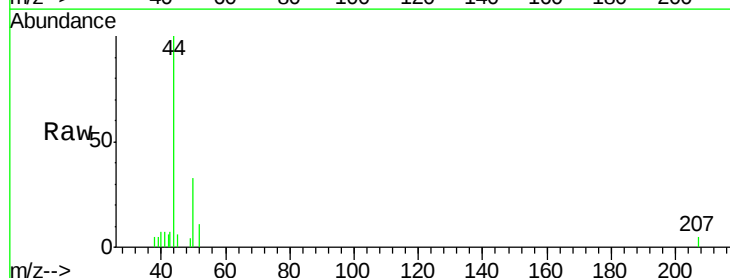
Acq: 4 Oct 2019 14:41

Tgt Ion: 50 Resp: 2111

Ion Ratio Lower Upper

50 100

52 32.6 25.9 38.9



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2.04

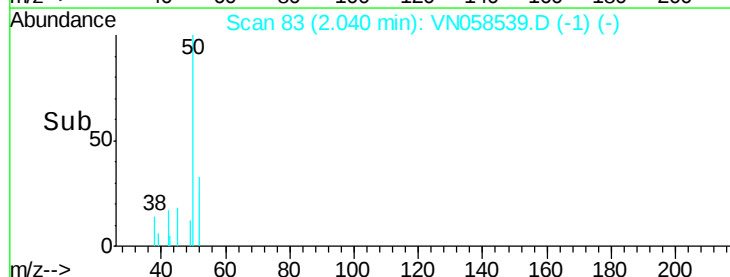
1500

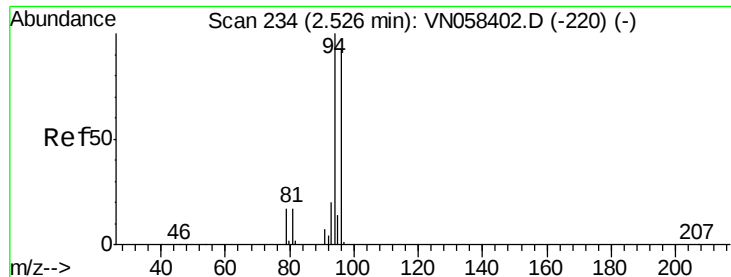
1000

500

0

Time-->





#5

Bromomethane

Concen: 0.255 ug/l

RT: 2.55 min Scan# 243

Delta R.T. 0.03 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA_N

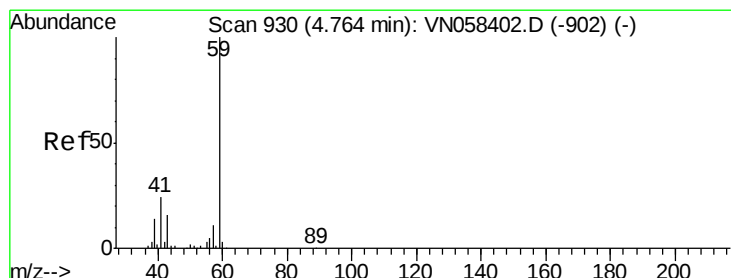
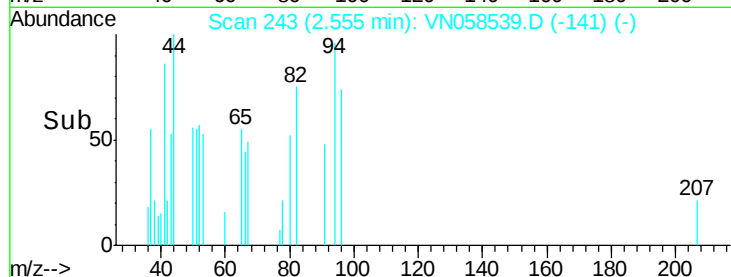
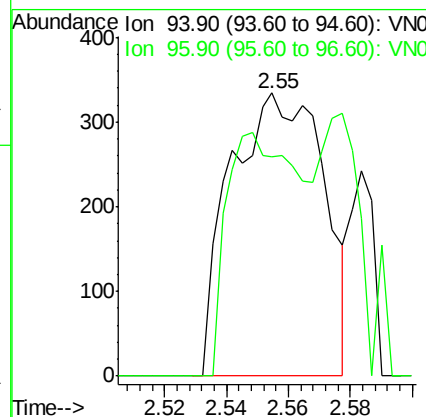
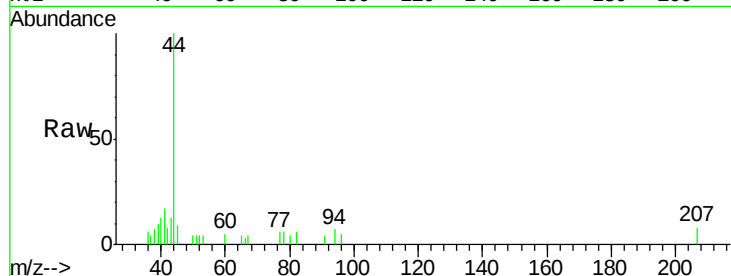
ClientSampled :

Tot Ion: 94 Resp: 701

Ion Ratio Lower Upper

94 100

96 77.5 74.8 112.2



#11

Tert butyl alcohol

Concen: 0.602 ug/l

RT: 4.74 min Scan# 924

Delta R.T. -0.02 min

Lab File: VN058539.D

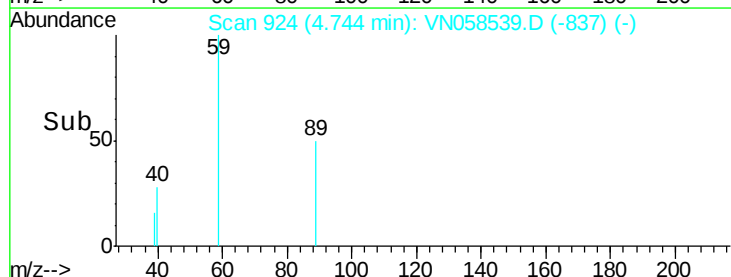
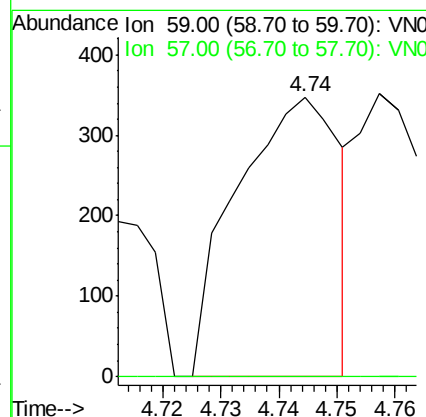
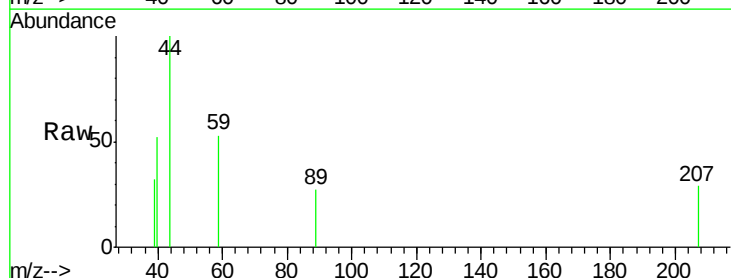
Acq: 4 Oct 2019 14:41

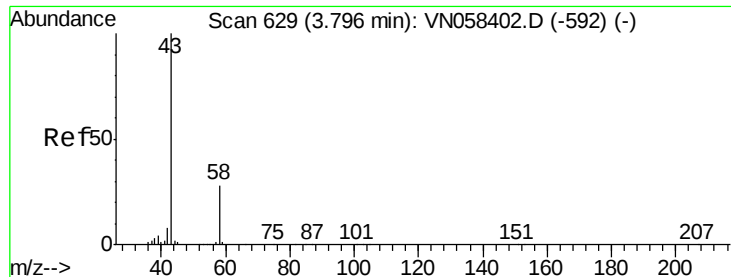
Tgt Ion: 59 Resp: 429

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#

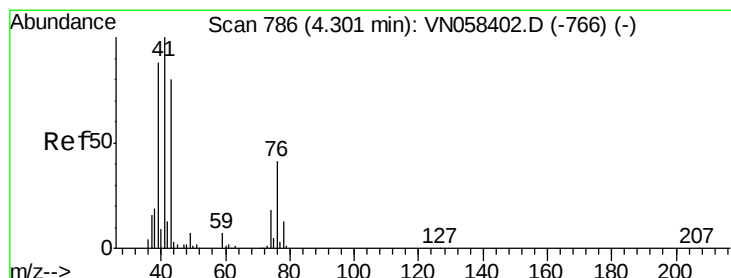
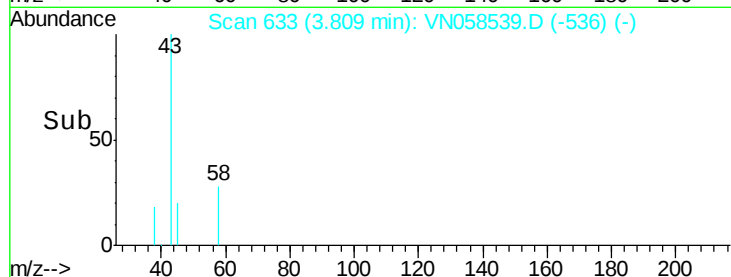
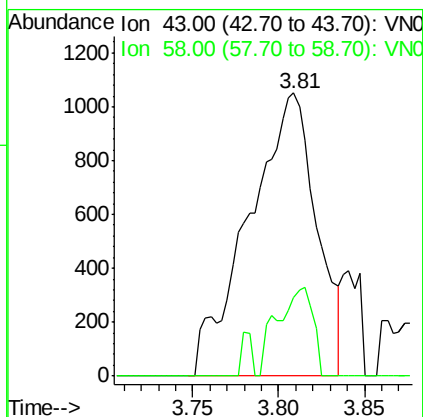
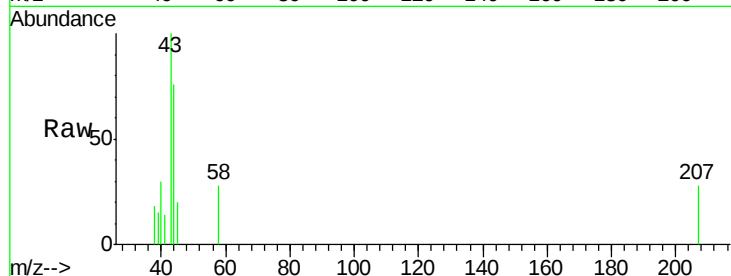




#16
Acetone
Concen: 1.315 ug/l
RT: 3.81 min Scan# 633
Delta R.T. 0.01 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

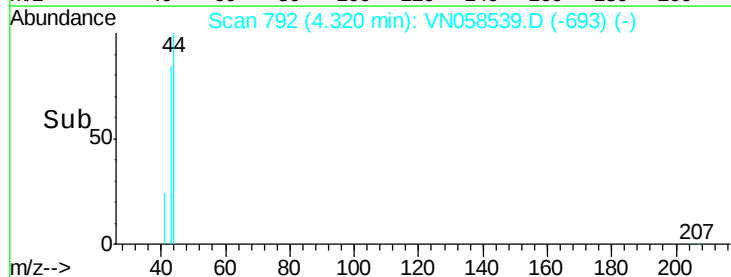
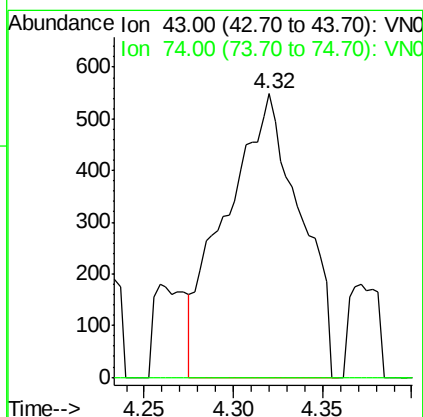
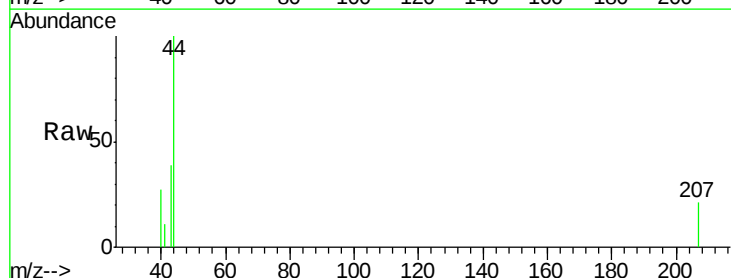
Instrument :
MSVOA_N
ClientSampled :

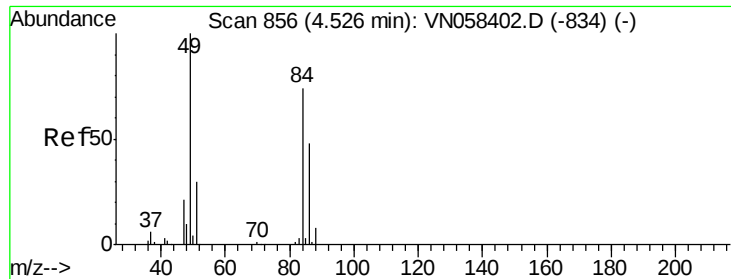
Tot Ion: 43 Resp: 2876
Ion Ratio Lower Upper
43 100
58 27.7 22.4 33.6



#18
Methyl Acetate
Concen: 0.289 ug/l
RT: 4.32 min Scan# 792
Delta R.T. 0.02 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

Tgt Ion: 43 Resp: 1587
Ion Ratio Lower Upper
43 100
74 0.0 18.0 27.0#

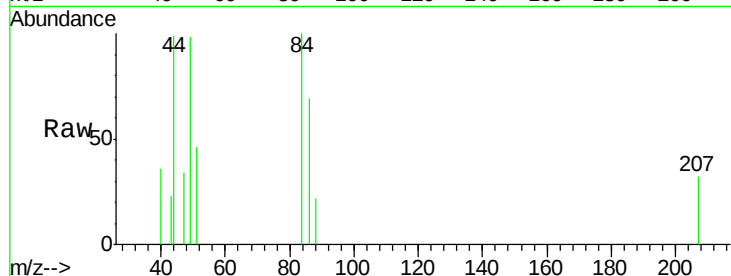




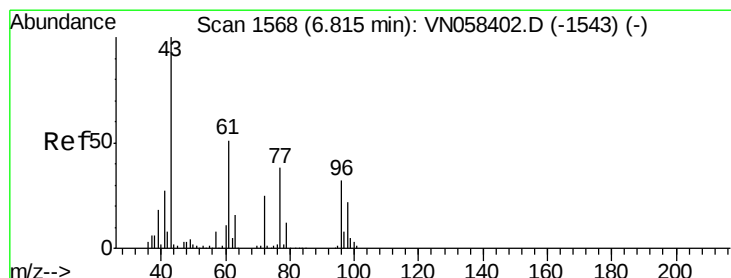
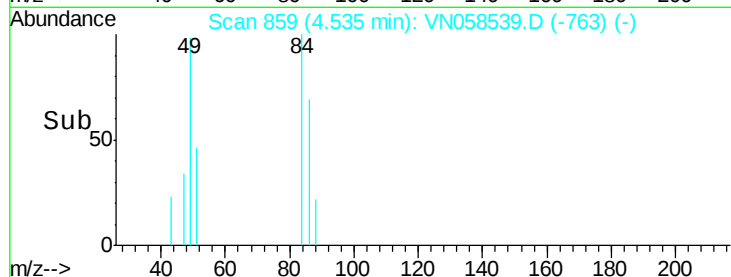
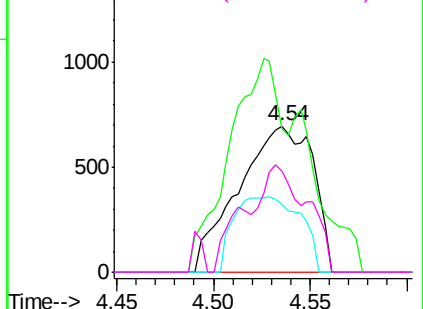
#20
Methvlene Chloride
Concen: 0.371 ug/l
RT: 4.54 min Scan# 859
Delta R.T. 0.01 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 84 Resp: 1870
Ion Ratio Lower Upper
84 100
49 98.4 107.9 161.9#
51 46.1 32.8 49.2
86 68.8 51.5 77.3

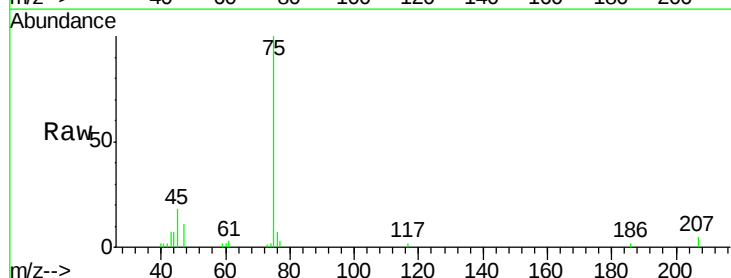


Abundance Ion 83.90 (83.60 to 84.60): VNC
Ion 48.90 (48.60 to 49.60): VNC
Ion 50.90 (50.60 to 51.60): VNC
Ion 85.90 (85.60 to 86.60): VNC

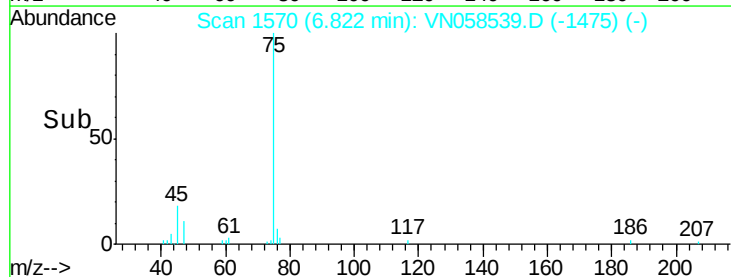
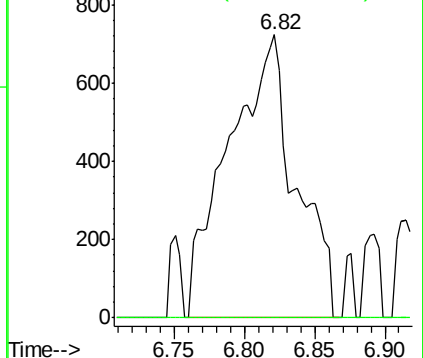


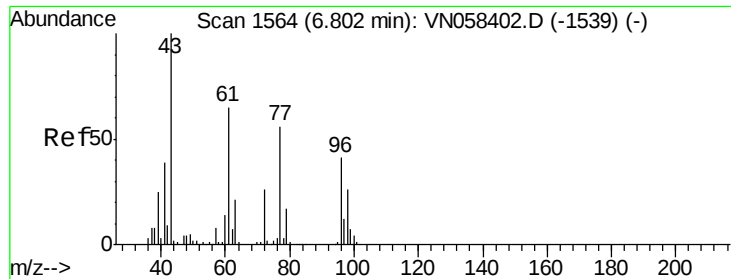
#25
2-Butanone
Concen: 0.801 ug/l
RT: 6.82 min Scan# 1570
Delta R.T. 0.01 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

Tgt Ion: 43 Resp: 2405
Ion Ratio Lower Upper
43 100
72 0.0 20.2 30.4#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 72.00 (71.70 to 72.70): VNC

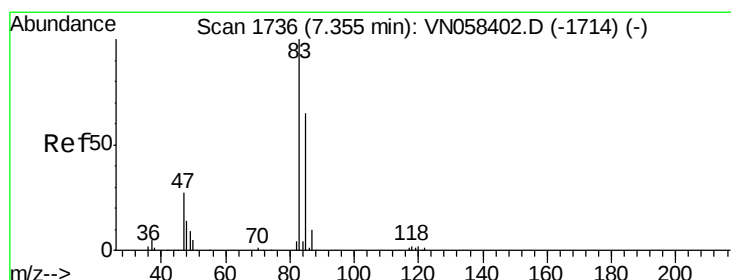
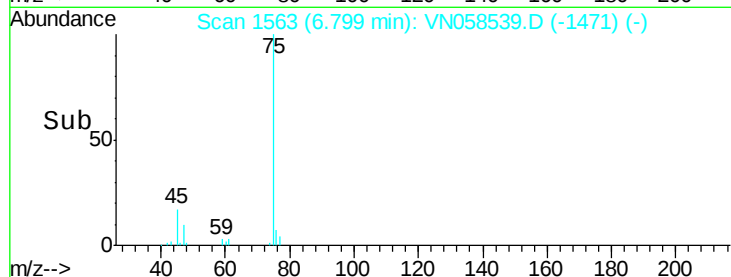
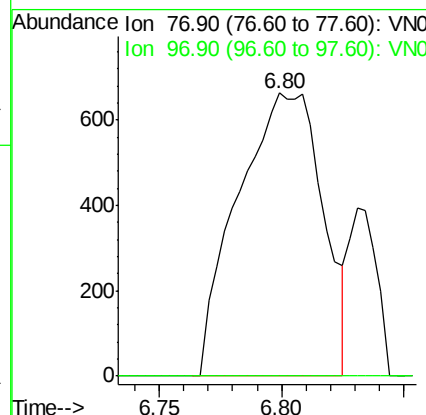
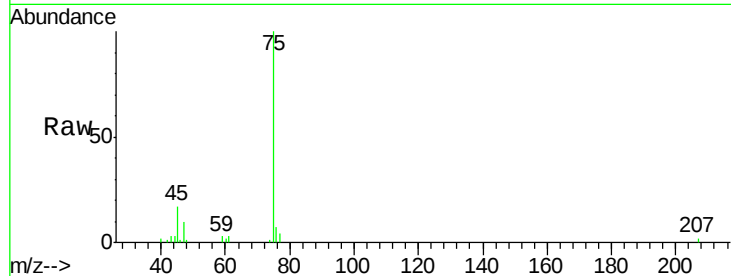




#26
 2,2-Dichloropropane
 Concen: 0.213 ug/l
 RT: 6.80 min Scan# 1563
 Delta R.T. -0.00 min
 Lab File: VN058539.D
 Acq: 4 Oct 2019 14:41

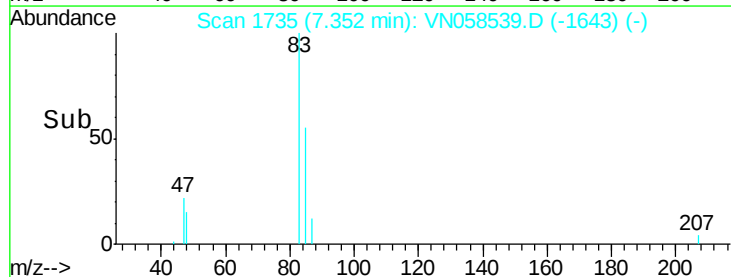
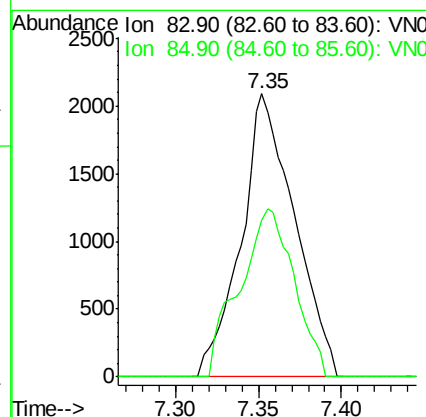
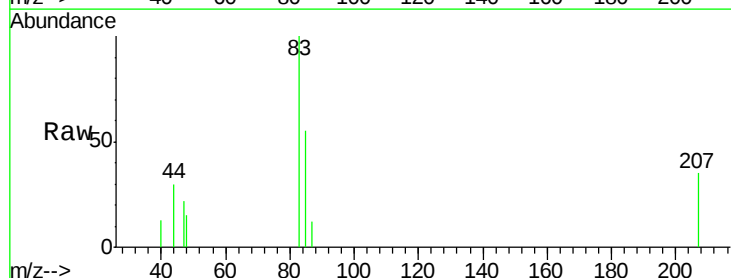
Instrument :
 MSVOA_N
 ClientSampled :

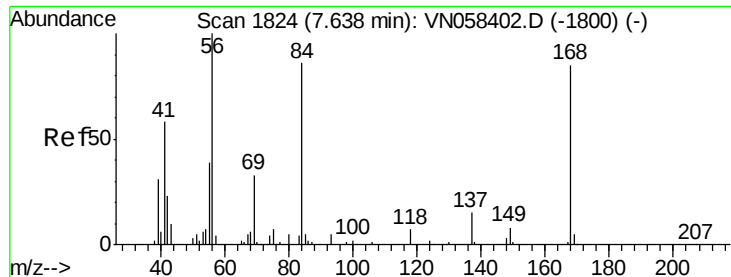
Tot Ion: 77 Resp: 1600
 Ion Ratio Lower Upper
 77 100
 97 0.0 10.9 32.6#



#30
 Chloroform
 Concen: 0.506 ug/l
 RT: 7.35 min Scan# 1735
 Delta R.T. -0.00 min
 Lab File: VN058539.D
 Acq: 4 Oct 2019 14:41

Tgt Ion: 83 Resp: 4683
 Ion Ratio Lower Upper
 83 100
 85 55.4 52.0 78.0





#31

Cyclohexane

Concen: 1.248 ug/l

RT: 7.65 min Scan# 1828

Delta R.T. 0.01 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :
MSVOA_N
ClientSampled :

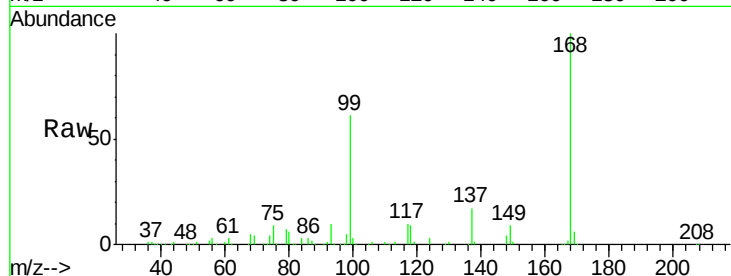
Tot Ion: 56 Resp: 11082

Ion Ratio Lower Upper

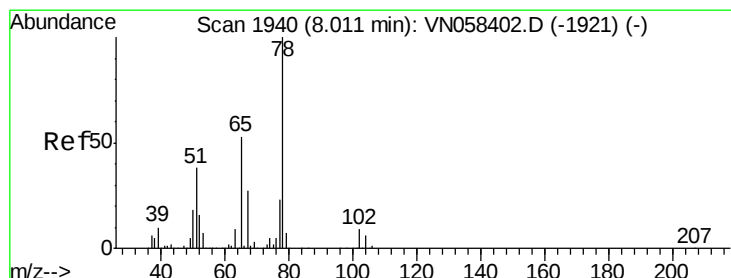
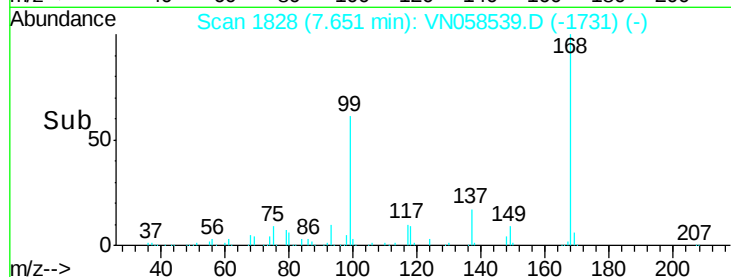
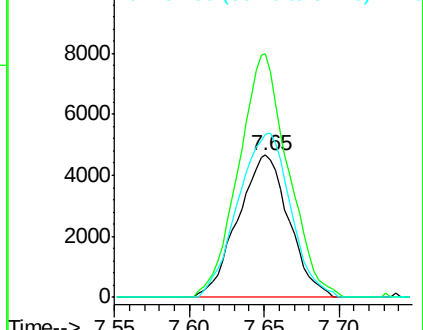
56 100

69 171.4 26.2 39.4#

84 114.4 67.6 101.4#



Abundance Ion 56.00 (55.70 to 56.70): VNC
Ion 69.00 (68.70 to 69.70): VNC
Ion 84.00 (83.70 to 84.70): VNC



#33

1,2-Dichloroethane-d4

Concen: 48.051 ug/l

RT: 8.01 min Scan# 1940

Delta R.T. 0.00 min

Lab File: VN058539.D

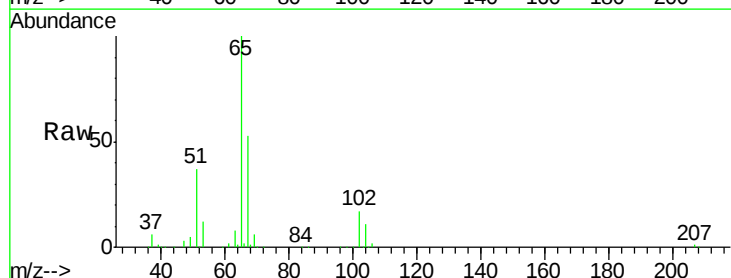
Acq: 4 Oct 2019 14:41

Tgt Ion: 65 Resp: 308194

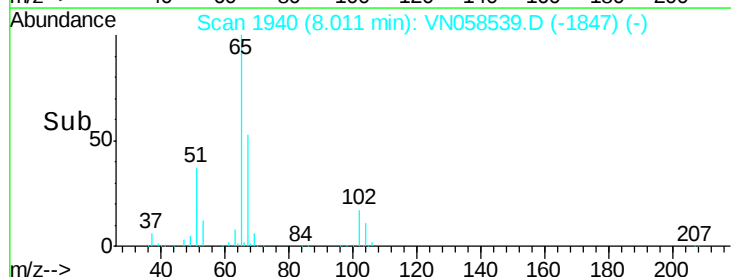
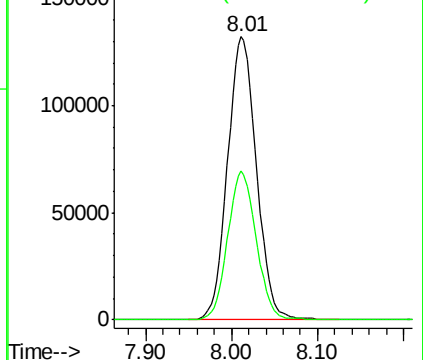
Ion Ratio Lower Upper

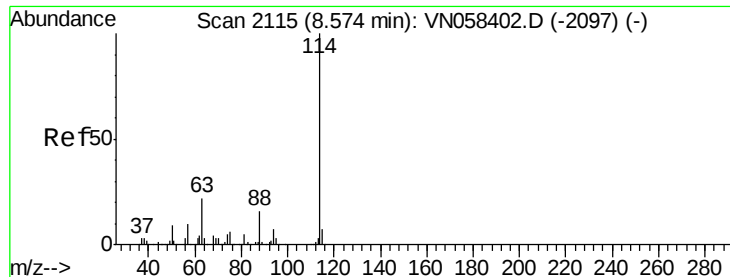
65 100

67 52.0 0.0 102.4



Abundance Ion 64.90 (64.60 to 65.60): VNC
Ion 66.90 (66.60 to 67.60): VNC

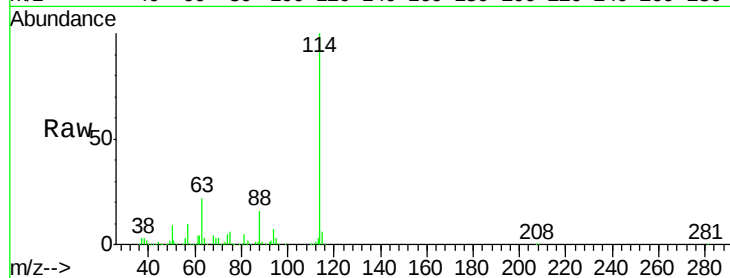




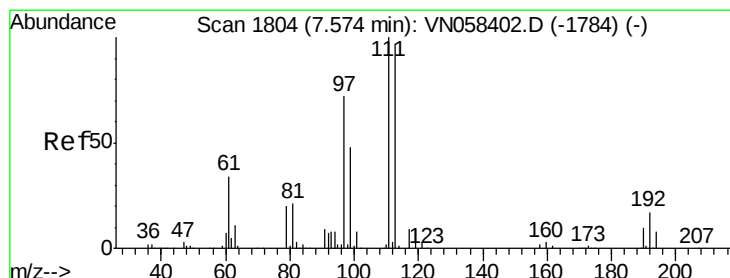
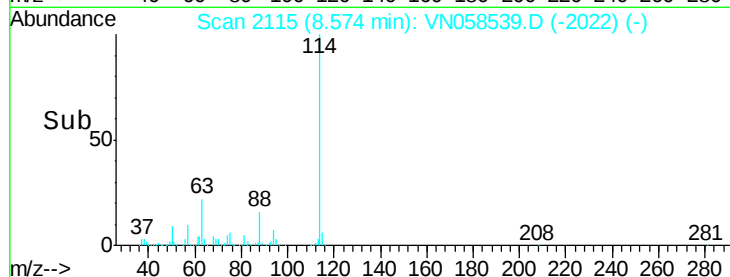
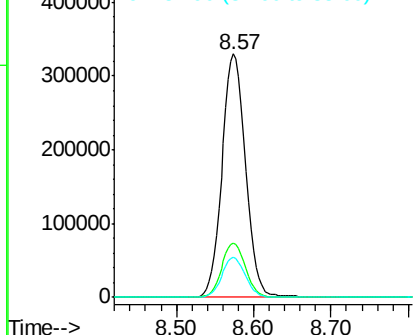
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.57 min Scan# 2115
 Delta R.T. 0.00 min
 Lab File: VN058539.D
 Acq: 4 Oct 2019 14:41

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 698208
 Ion Ratio Lower Upper
 114 100
 63 22.2 0.0 45.0
 88 16.4 0.0 32.2

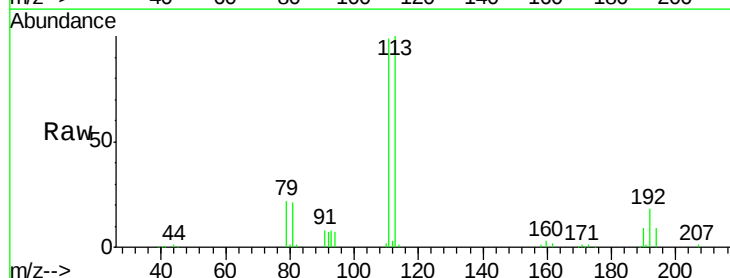


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

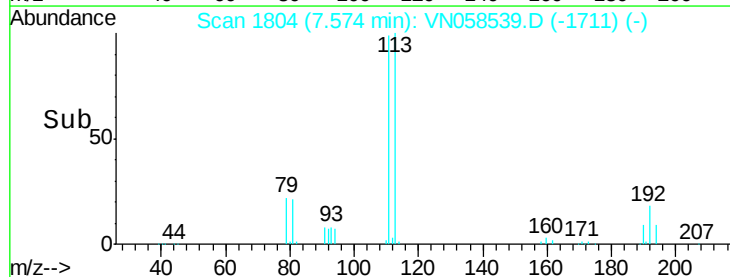
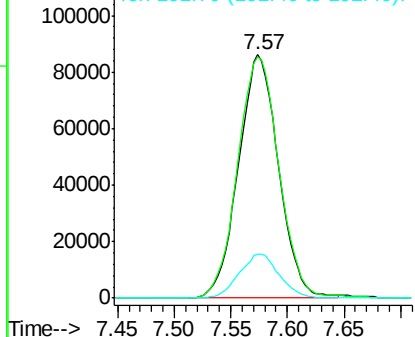


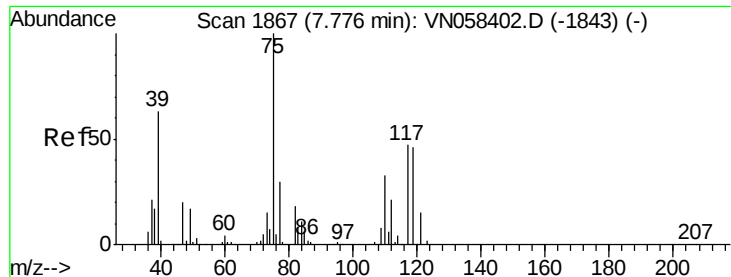
#35
 Dibromofluoromethane
 Concen: 49.451 ug/l
 RT: 7.57 min Scan# 1804
 Delta R.T. 0.00 min
 Lab File: VN058539.D
 Acq: 4 Oct 2019 14:41

Tgt Ion:113 Resp: 211612
 Ion Ratio Lower Upper
 113 100
 111 102.0 83.4 125.2
 192 18.1 14.9 22.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

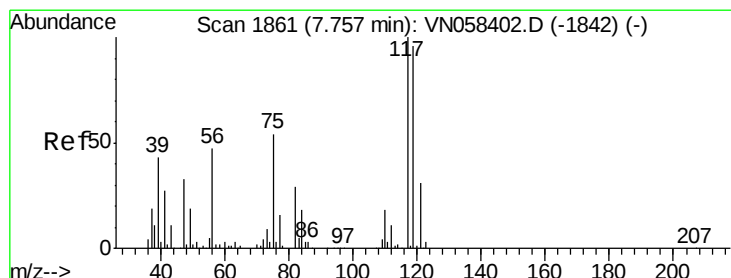
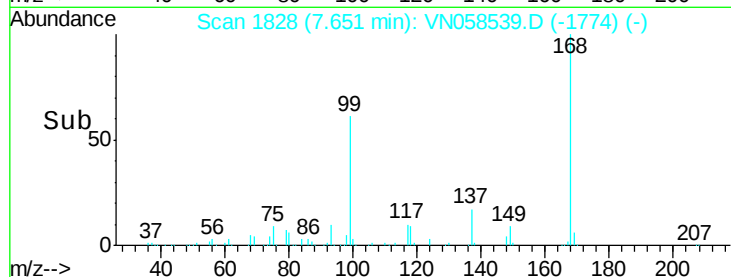
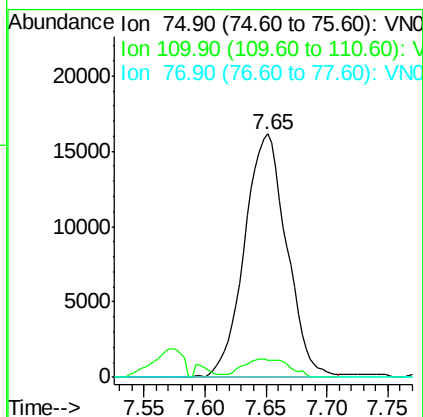
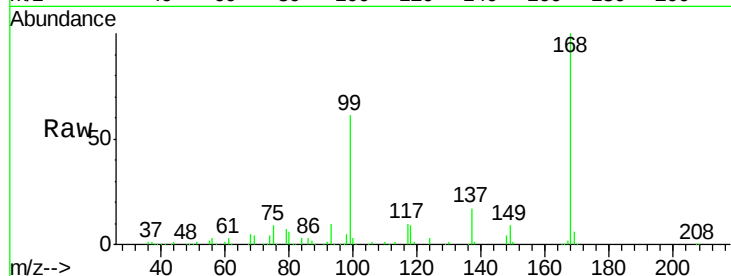




#36
 1,1-Dichloropropene
 Concen: 5.789 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.13 min
 Lab File: VN058539.D
 Acq: 4 Oct 2019 14:41

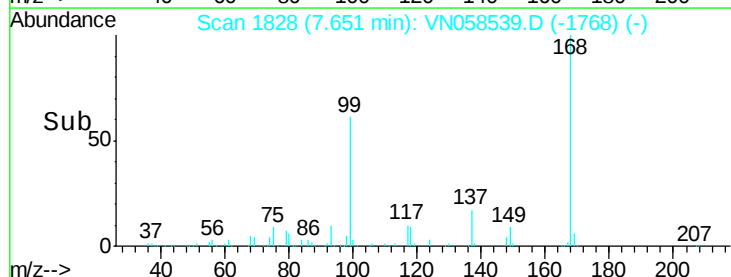
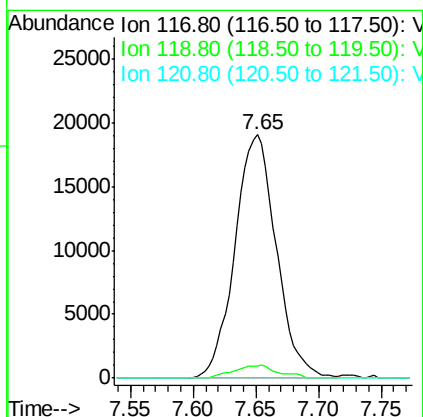
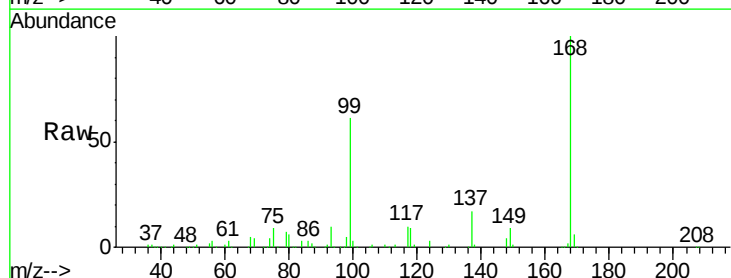
Instrument :
 MSVOA_N
 ClientSampleId :

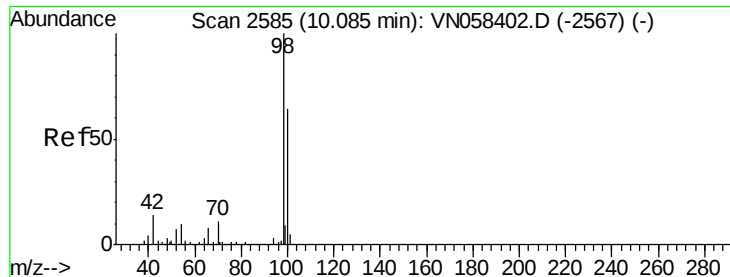
Tot Ion: 75 Resp: 38650
 Ion Ratio Lower Upper
 75 100
 110 8.4 16.4 49.2#
 77 0.0 24.3 36.5#



#38
 Carbon Tetrachloride
 Concen: 7.245 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058539.D
 Acq: 4 Oct 2019 14:41

Tgt Ion: 117 Resp: 43663
 Ion Ratio Lower Upper
 117 100
 119 5.0 76.6 115.0#
 121 0.0 24.7 37.1#





#50

Toluene-d8

Concen: 51.498 ug/l

RT: 10.09 min Scan# 2585

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA_N

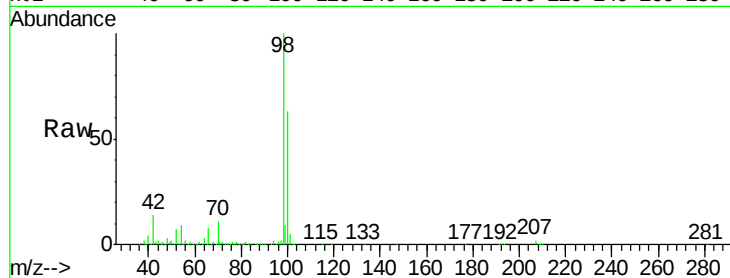
ClientSampleId :

Tot Ion: 98 Resp: 863286

Ion Ratio Lower Upper

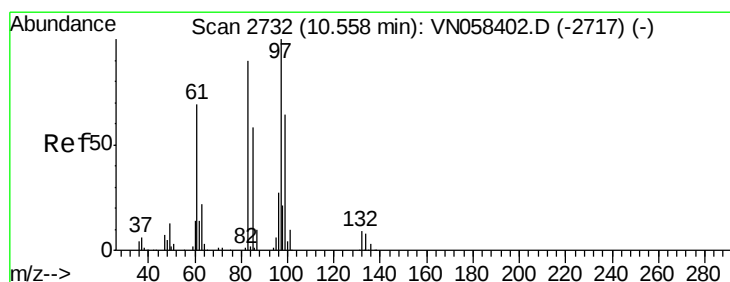
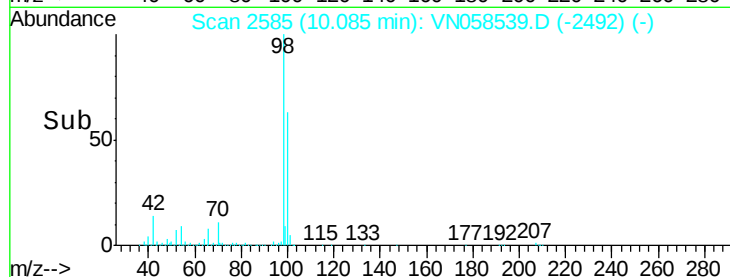
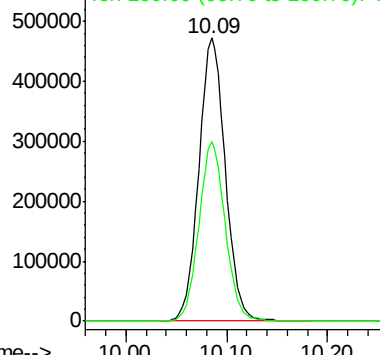
98 100

100 63.0 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN



#55

1,1,2-Trichloroethane

Concen: 0.201 ug/l

RT: 10.56 min Scan# 2733

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Tgt Ion: 97 Resp: 884

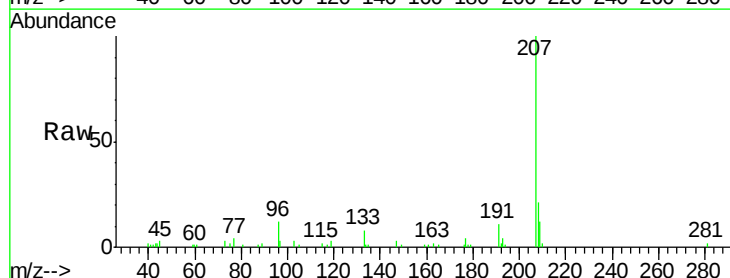
Ion Ratio Lower Upper

97 100

83 0.0 71.8 107.6#

85 0.0 46.6 69.8#

99 0.0 51.5 77.3#

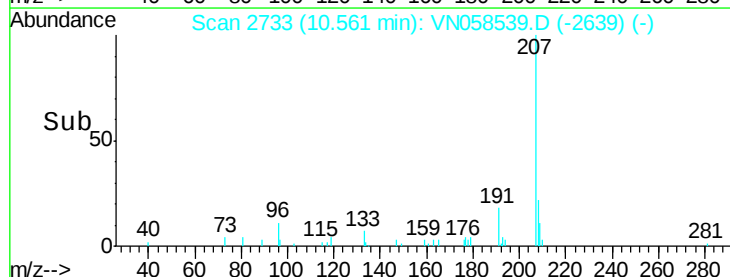
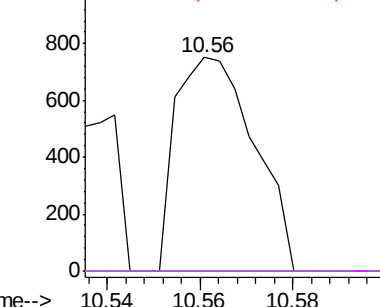


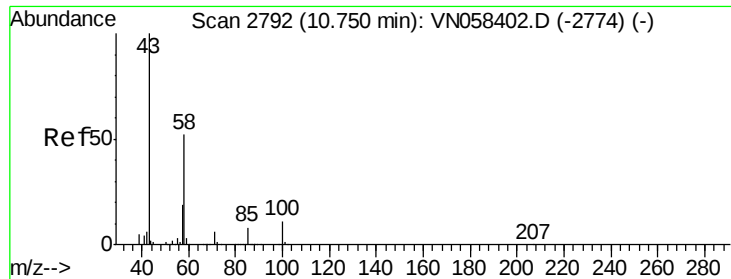
Abundance Ion 96.90 (96.60 to 97.60): VN0

Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

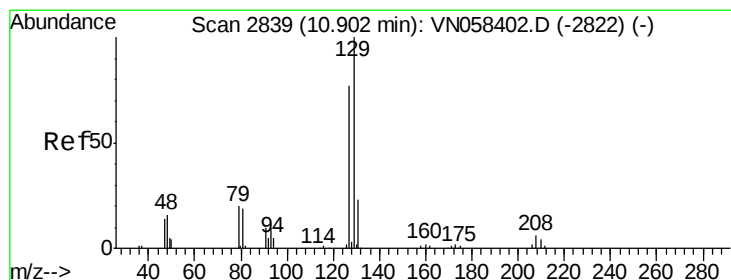
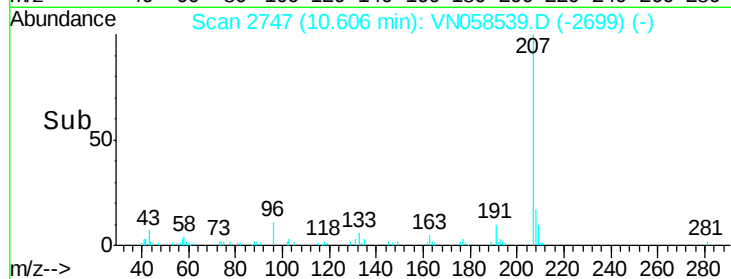
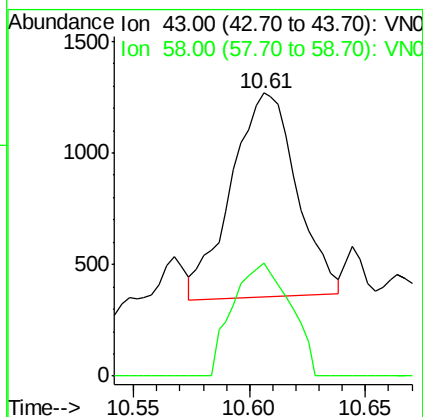
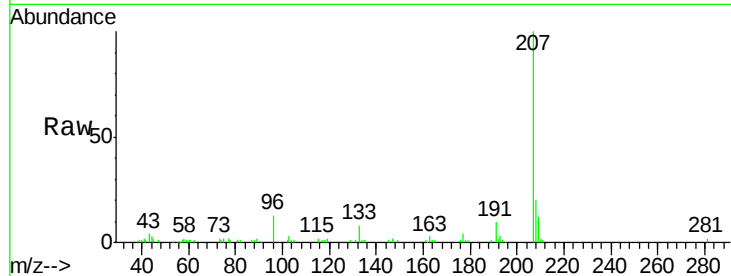




#59
2-Hexanone
Concen: 0.450 ug/l
RT: 10.61 min Scan# 2747
Delta R.T. -0.14 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

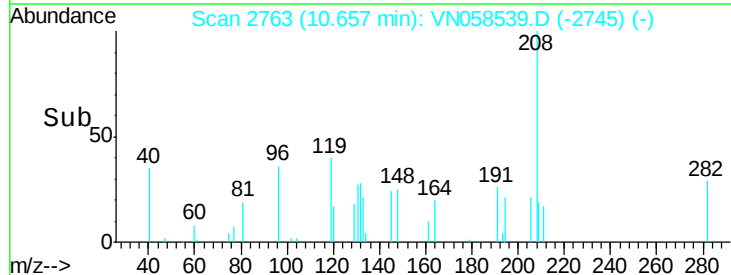
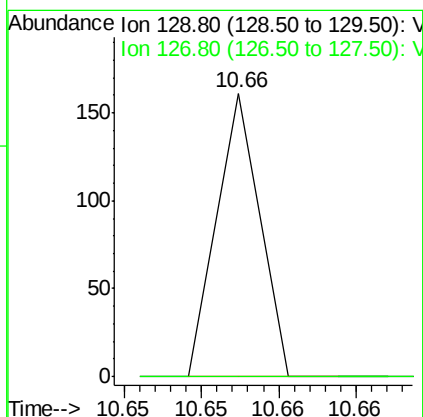
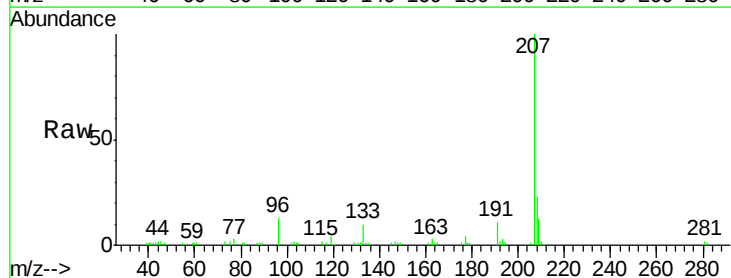
Instrument :
MSVOA_N
ClientSampled :

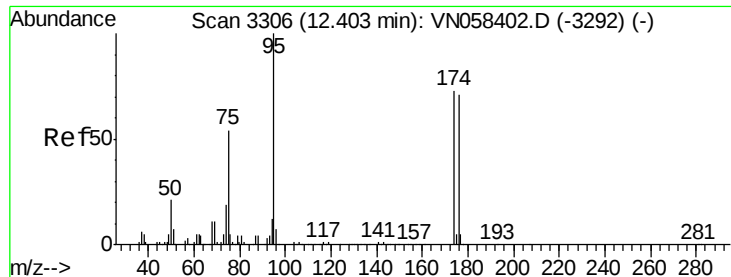
Tot Ion: 43 Resp: 1790
Ion Ratio Lower Upper
43 100
58 48.9 25.8 77.3



#60
Dibromochloromethane
Concen: Below Cal
RT: 10.66 min Scan# 2763
Delta R.T. -0.24 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

Tgt Ion: 129 Resp: 31
Ion Ratio Lower Upper
129 100
127 0.0 38.3 114.8#





#62

4-Bromofluorobenzene

Concen: 47.330 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :

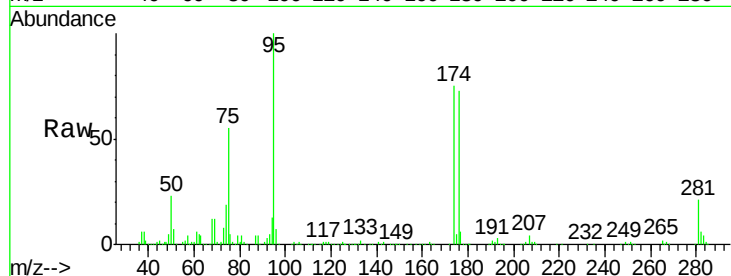
Tot Ion: 95 Resp: 286886

Ion Ratio Lower Upper

95 100

174 75.2 0.0 150.6

176 74.0 0.0 146.2

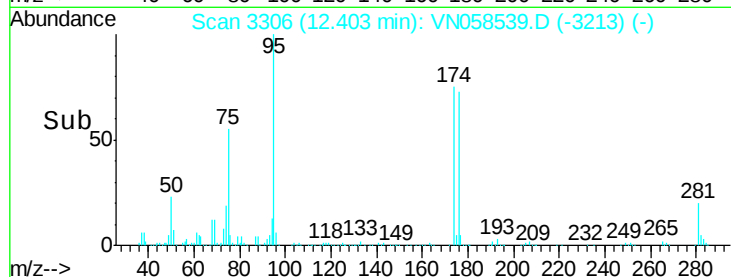


Abundance Ion 94.90 (94.60 to 95.60): VN058402.D (-3292) (-)

Ion 173.80 (173.50 to 174.50): VN058402.D (-3292) (-)

Ion 175.80 (175.50 to 176.50): VN058402.D (-3292) (-)

Time-->

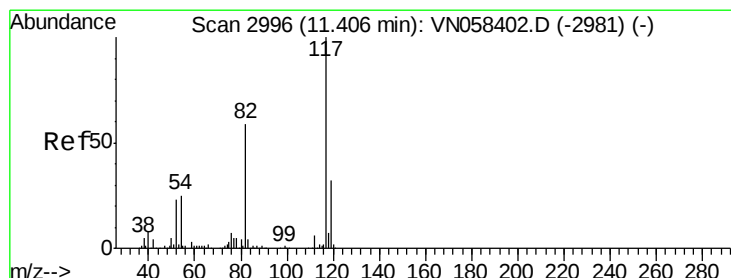


Abundance Ion 94.90 (94.60 to 95.60): VN058539.D (-3213) (-)

Ion 173.80 (173.50 to 174.50): VN058539.D (-3213) (-)

Ion 175.80 (175.50 to 176.50): VN058539.D (-3213) (-)

Time-->



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

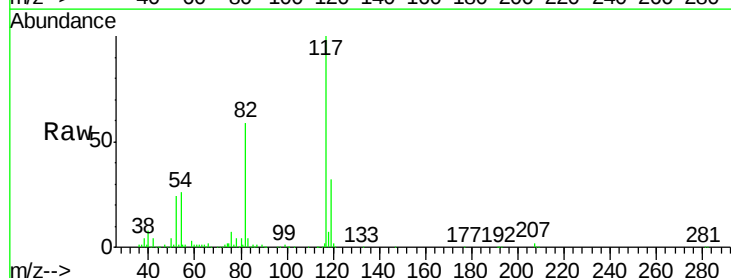
Tgt Ion: 117 Resp: 614592

Ion Ratio Lower Upper

117 100

82 58.7 47.4 71.0

119 31.9 25.5 38.3

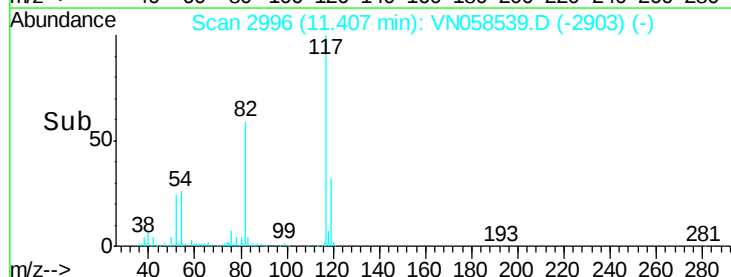


Abundance Ion 116.90 (116.60 to 117.60): VN058402.D (-2981) (-)

Ion 82.00 (81.70 to 82.70): VN058402.D (-2981) (-)

Ion 118.90 (118.60 to 119.60): VN058402.D (-2981) (-)

Time-->

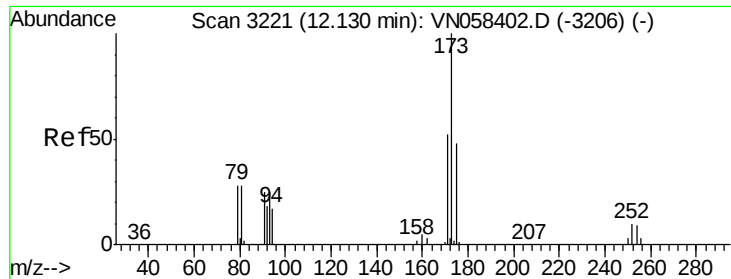


Abundance Ion 116.90 (116.60 to 117.60): VN058539.D (-2903) (-)

Ion 82.00 (81.70 to 82.70): VN058539.D (-2903) (-)

Ion 118.90 (118.60 to 119.60): VN058539.D (-2903) (-)

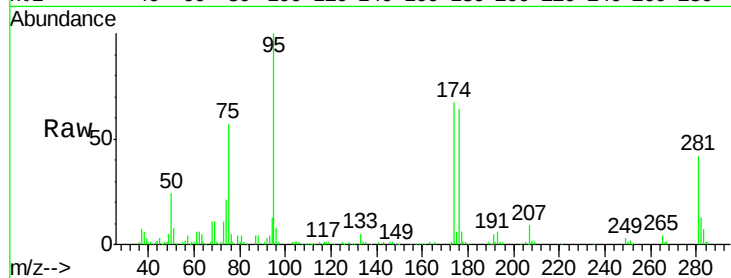
Time-->



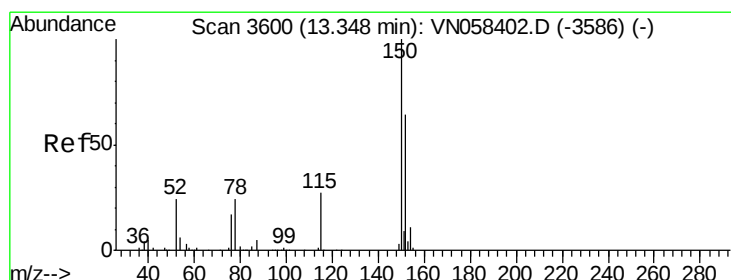
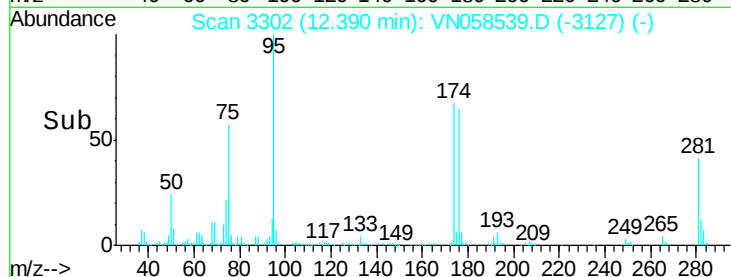
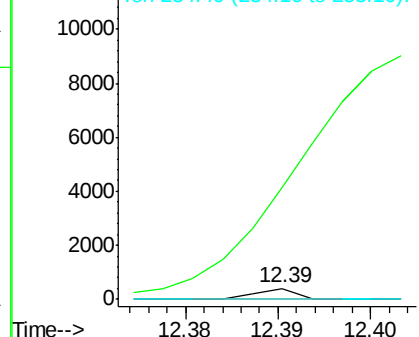
#71
Bromoform
Concen: 0.736 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:173 Resp: 118
Ion Ratio Lower Upper
173 100
175 11900.0 24.3 73.0#
254 0.0 0.1 0.1#

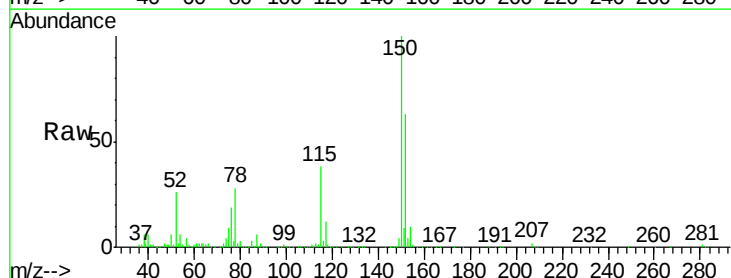


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

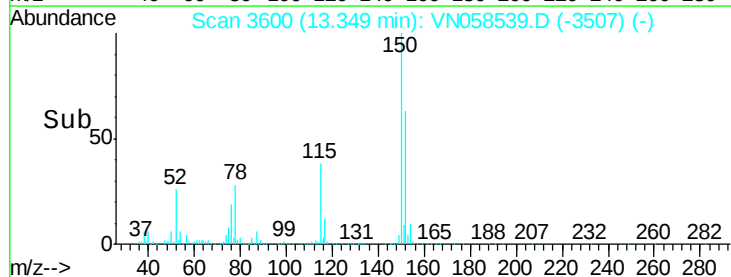
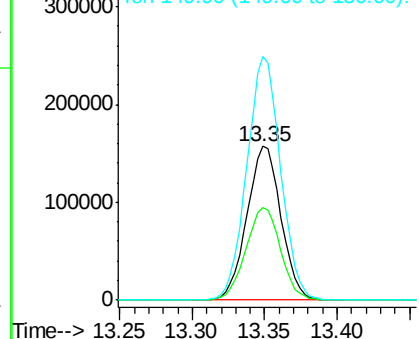


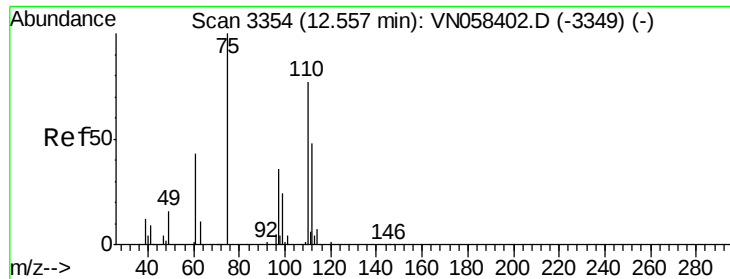
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. 0.00 min
Lab File: VN058539.D
Acq: 4 Oct 2019 14:41

Tgt Ion:152 Resp: 257109
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.0
150 157.1 0.0 348.2



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: 33.724 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA_N

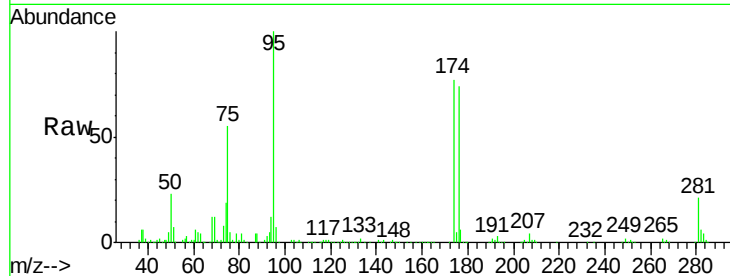
ClientSampled :

Tot Ion: 75 Resp: 158372

Ion Ratio Lower Upper

75 100

77 1.8 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO

12.41

100000

80000

60000

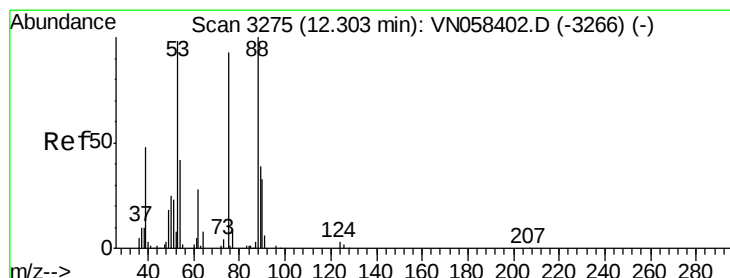
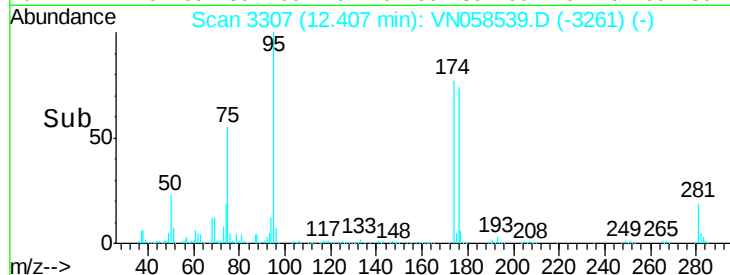
40000

20000

0

Time-->

12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 102.424 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

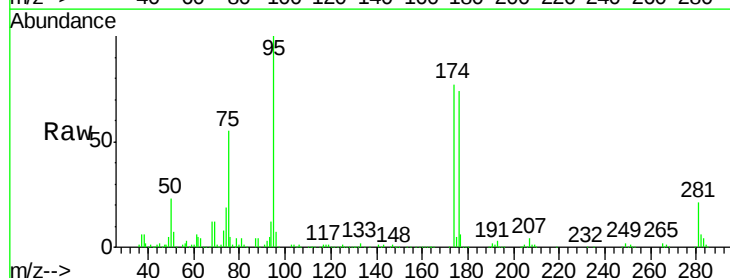
Tgt Ion: 75 Resp: 158372

Ion Ratio Lower Upper

75 100

53 0.1 85.4 128.0#

89 0.4 35.0 52.4#



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

12.41

120000

100000

80000

60000

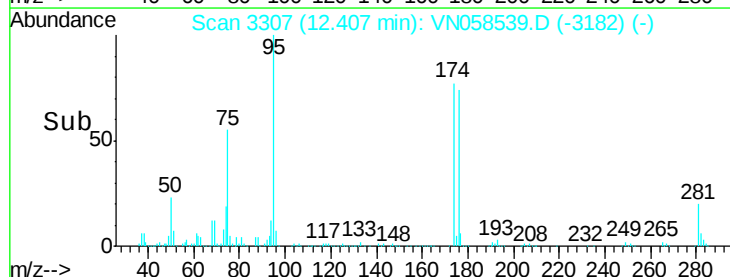
40000

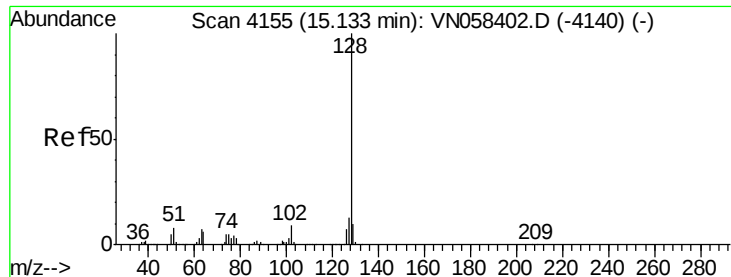
20000

0

Time-->

12.35 12.40 12.45





#95

Naphthalene

Concen: 0.290 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

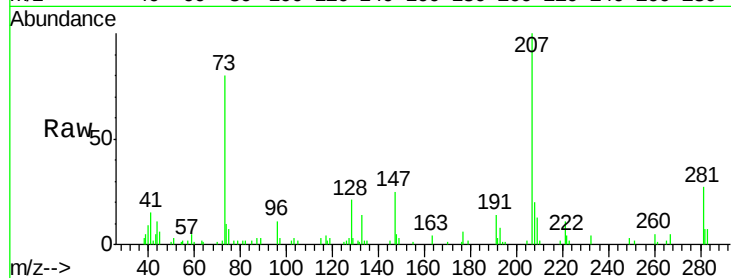
Lab File: VN058539.D

Acq: 4 Oct 2019 14:41

Instrument :

MSVOA_N

ClientSampleId :



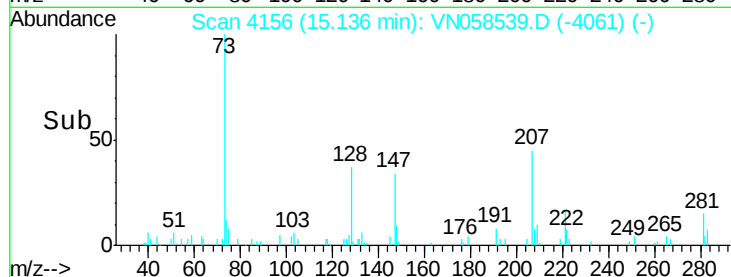
Tot Ion:128 Resp: 4008

Ion Ratio Lower Upper

128 100

127 14.9 10.2 15.4

129 18.5 8.3 12.5#



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

