

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN093019\
 Data File : VN058431.D
 Acq On : 30 Sep 2019 13:43
 Operator : JC/SP
 Sample : K5080-11
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 13 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Oct 01 01:31:35 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	430969	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.57	114	705396	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	596095	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	230293	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	310534	49.31	ug/l	0.00
Spiked Amount			Recovery	=	98.62%	
35) Dibromofluoromethane	7.58	113	217363	50.28	ug/l	0.00
Spiked Amount			Recovery	=	100.56%	
50) Toluene-d8	10.08	98	873285	51.56	ug/l	0.00
Spiked Amount			Recovery	=	103.12%	
62) 4-Bromofluorobenzene	12.41	95	275127	44.93	ug/l	0.00
Spiked Amount			Recovery	=	89.86%	

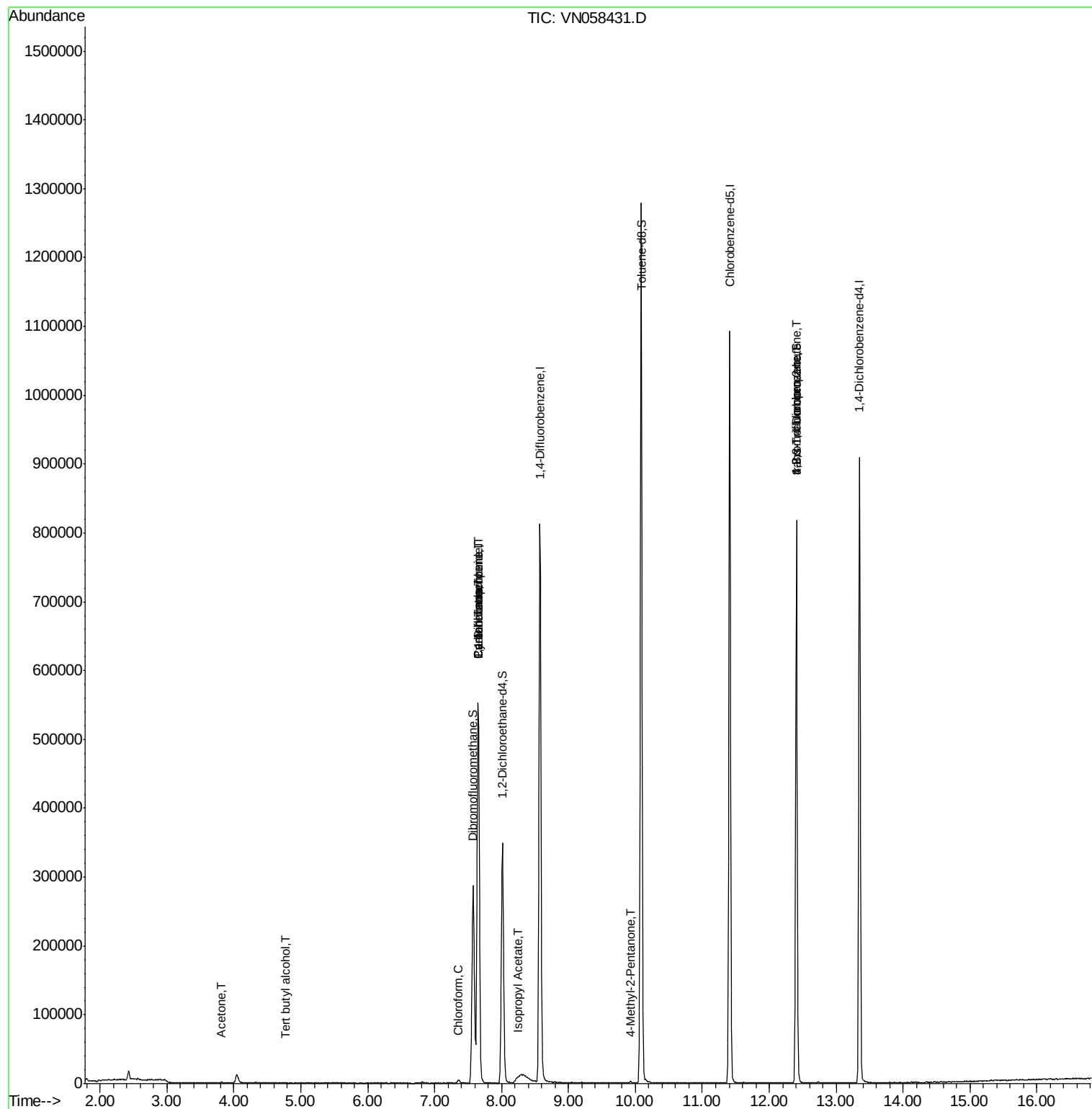
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.76	59	703	1.005	ug/l #	71
16) Acetone	3.81	43	1777	0.828	ug/l	100
30) Chloroform	7.36	83	4570	0.503	ug/l	97
31) Cyclohexane	7.65	56	10832	1.243	ug/l #	10
36) 1,1-Dichloropropene	7.65	75	38650	5.730	ug/l #	50
38) Carbon Tetrachloride	7.65	117	45081	7.405	ug/l #	16
43) Isopropyl Acetate	8.24	43	6968	0.648	ug/l #	63
51) 4-Methyl-2-Pentanone	9.93	43	1742	0.315	ug/l #	37
76) 1,2,3-Trichloropropane	12.41	75	150952	35.887	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	150952	108.993	ug/l #	7
96) 1,2,3-Trichlorobenzene	15.31	180	83	Below Cal	#	19

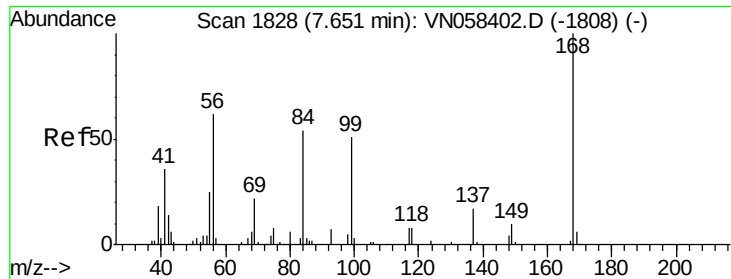
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN058431.D

Acq: 30 Sep 2019 13:43

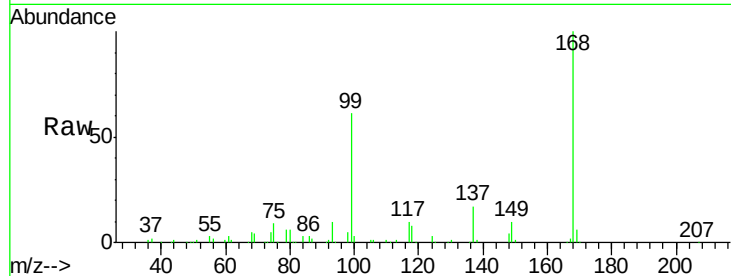
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 430969

Ion Ratio Lower Upper

168 100

99 61.1 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

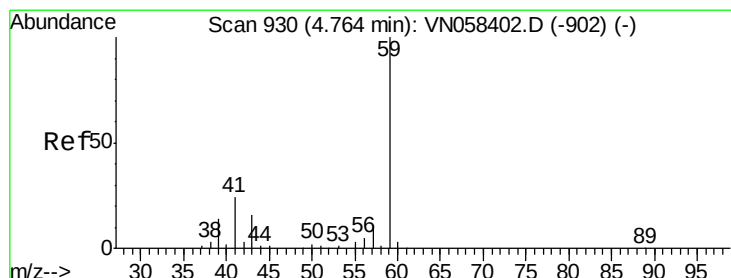
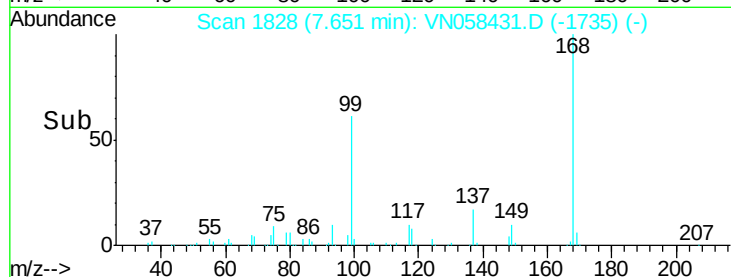
150000

100000

50000

0

Time-->



#11

Tert butyl alcohol

Concen: 1.005 ug/l

RT: 4.76 min Scan# 930

Delta R.T. -0.00 min

Lab File: VN058431.D

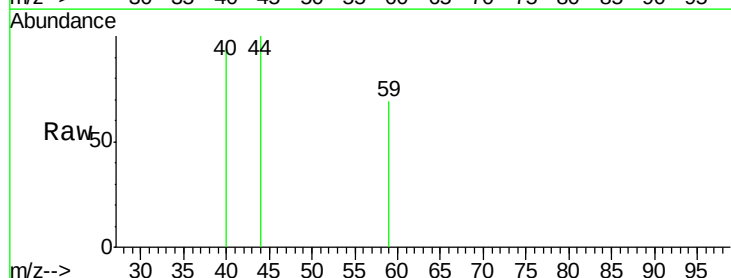
Acq: 30 Sep 2019 13:43

Tgt Ion: 59 Resp: 703

Ion Ratio Lower Upper

59 100

57 0.0 9.0 13.4#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.76

400

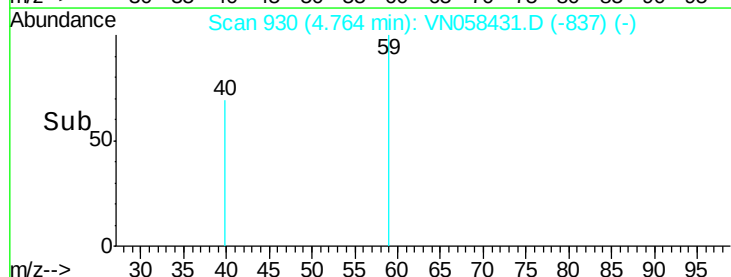
300

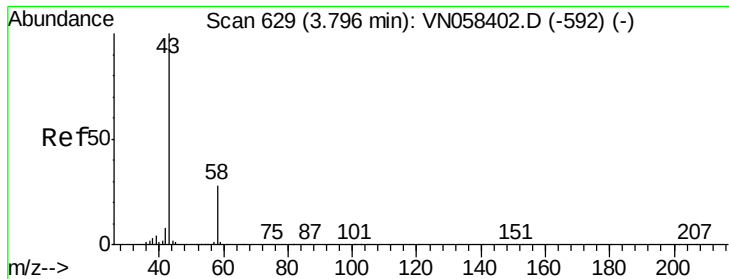
200

100

0

Time-->

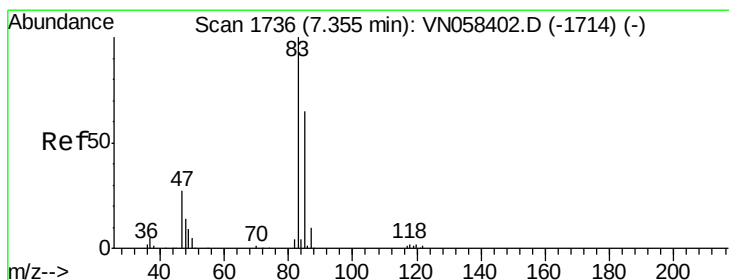
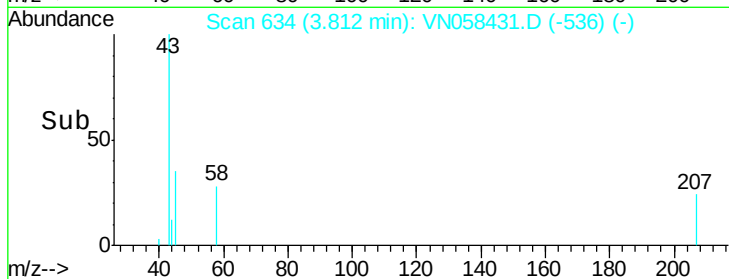
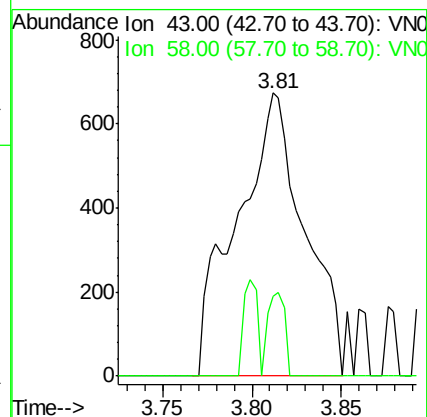
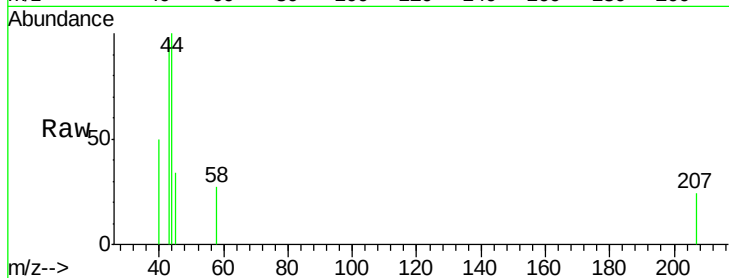




#16
Acetone
Concen: 0.828 ug/l
RT: 3.81 min Scan# 634
Delta R.T. 0.02 min
Lab File: VN058431.D
Acq: 30 Sep 2019 13:43

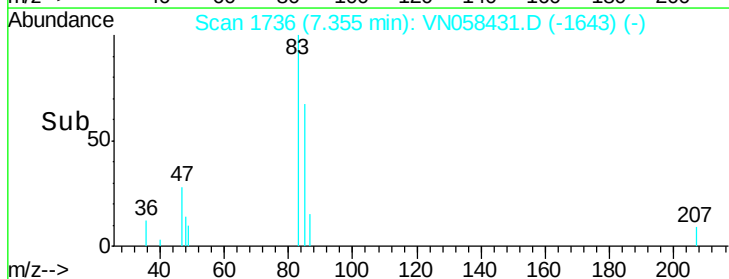
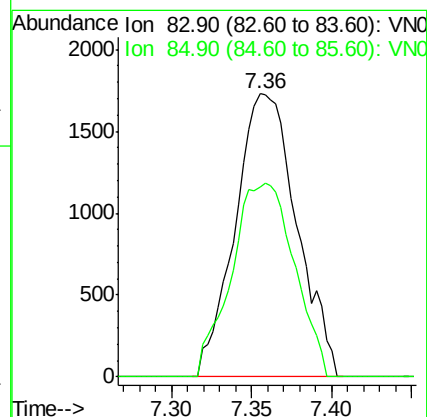
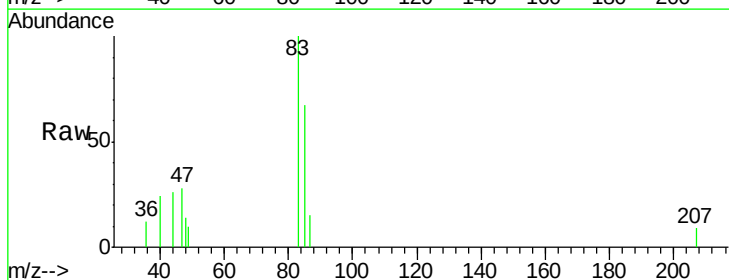
Instrument :
MSVOA_N
ClientSampled :

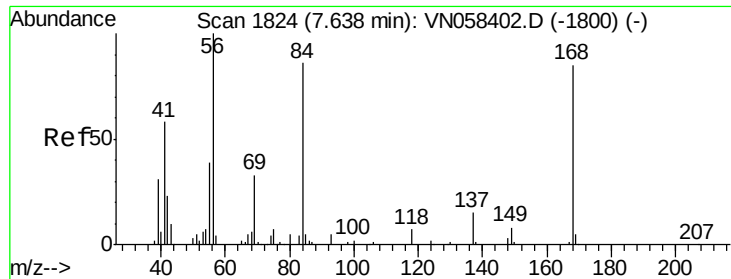
Tot Ion: 43 Resp: 1777
Ion Ratio Lower Upper
43 100
58 28.1 22.4 33.6



#30
Chloroform
Concen: 0.503 ug/l
RT: 7.36 min Scan# 1736
Delta R.T. -0.00 min
Lab File: VN058431.D
Acq: 30 Sep 2019 13:43

Tgt Ion: 83 Resp: 4570
Ion Ratio Lower Upper
83 100
85 67.2 52.0 78.0





#31

Cyclohexane

Concen: 1.243 ug/l

RT: 7.65 min Scan# 1827

Delta R.T. 0.01 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampled :

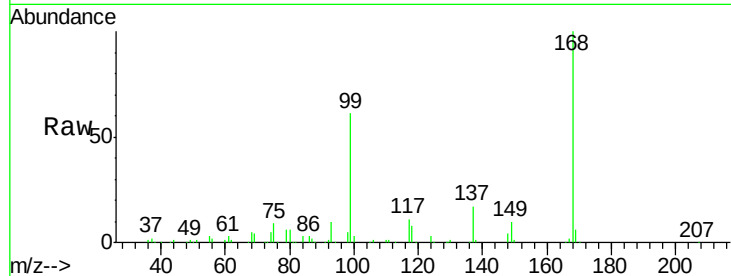
Tot Ion: 56 Resp: 10832

Ion Ratio Lower Upper

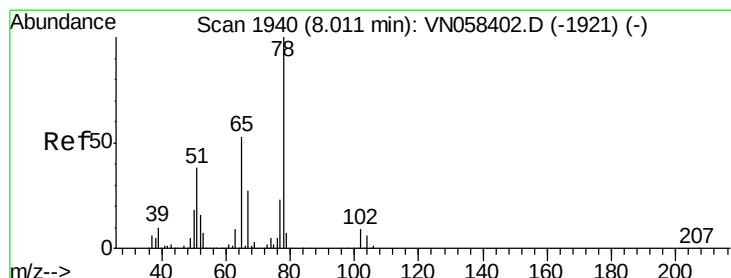
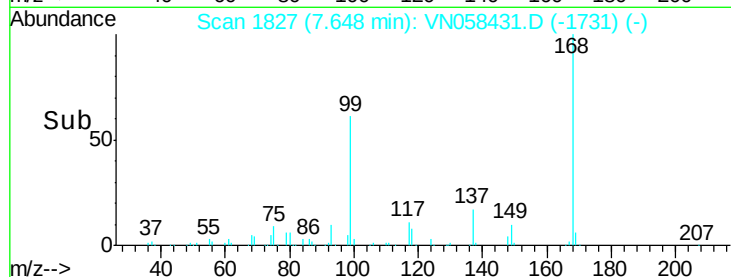
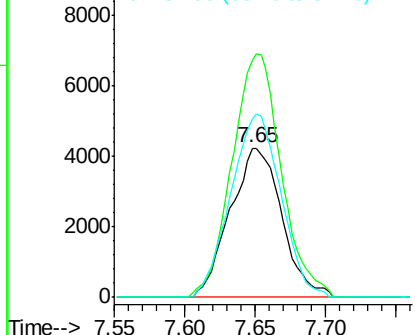
56 100

69 158.9 26.2 39.4#

84 119.4 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: 49.307 ug/l

RT: 8.01 min Scan# 1941

Delta R.T. 0.00 min

Lab File: VN058431.D

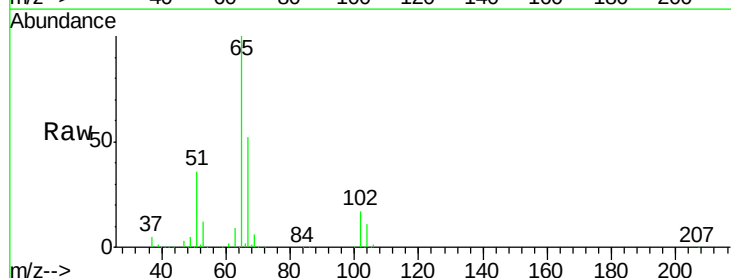
Acq: 30 Sep 2019 13:43

Tgt Ion: 65 Resp: 310534

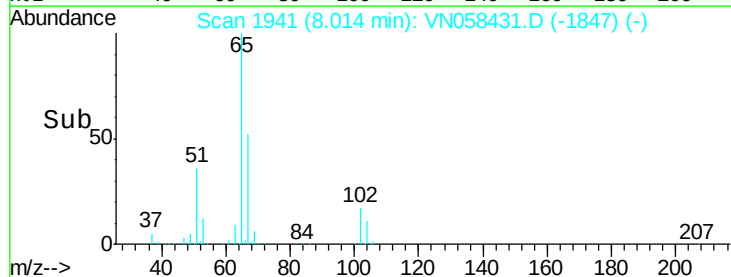
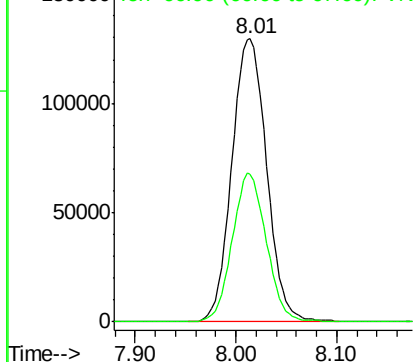
Ion Ratio Lower Upper

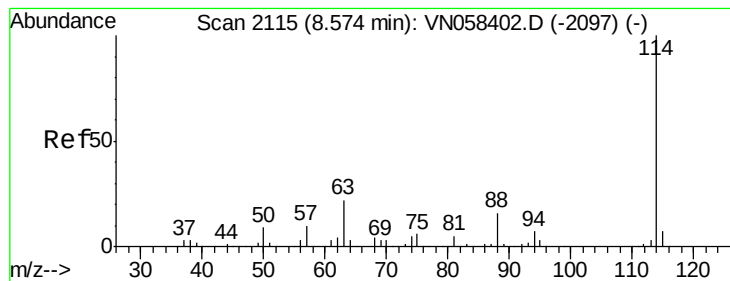
65 100

67 51.3 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: VN058431.D

Acq: 30 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

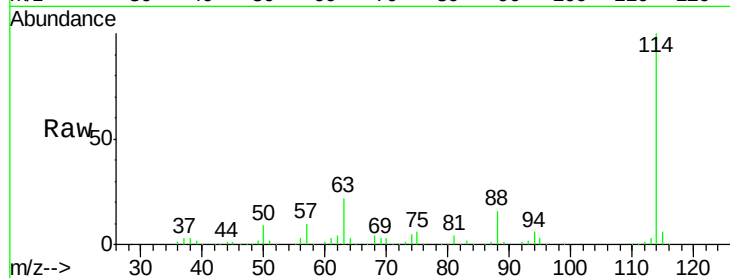
Tot Ion:114 Resp: 705396

Ion Ratio Lower Upper

114 100

63 22.3 0.0 45.0

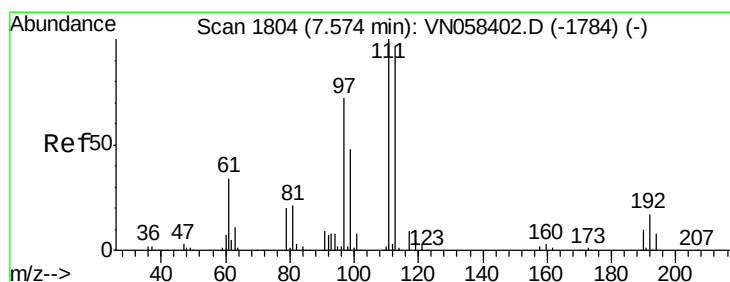
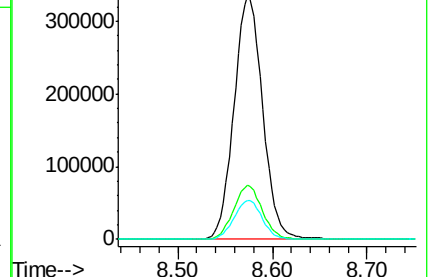
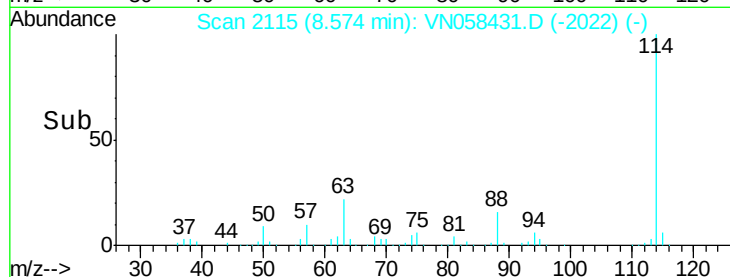
88 16.2 0.0 32.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 50.277 ug/l

RT: 7.58 min Scan# 1805

Delta R.T. 0.00 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

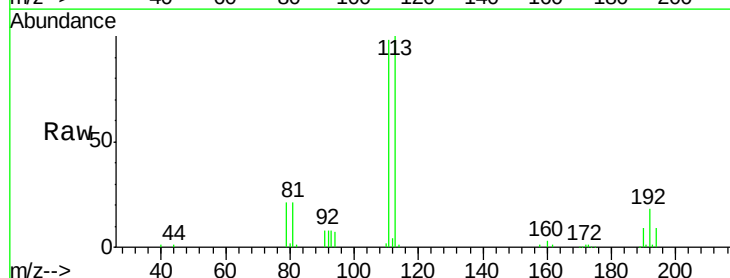
Tgt Ion:113 Resp: 217363

Ion Ratio Lower Upper

113 100

111 101.9 83.4 125.2

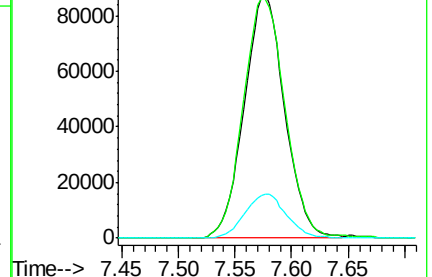
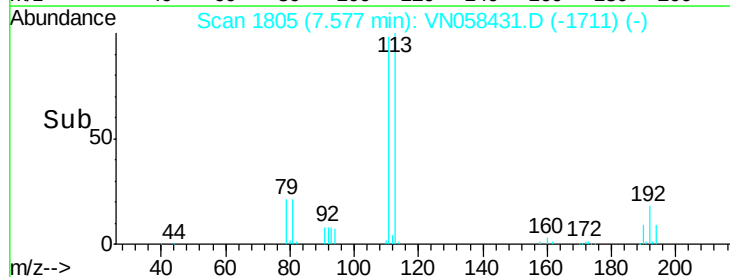
192 18.5 14.9 22.3

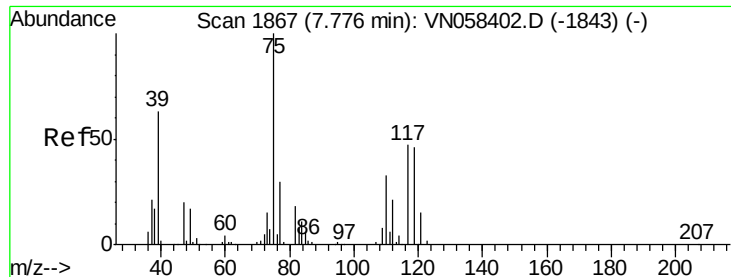


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V

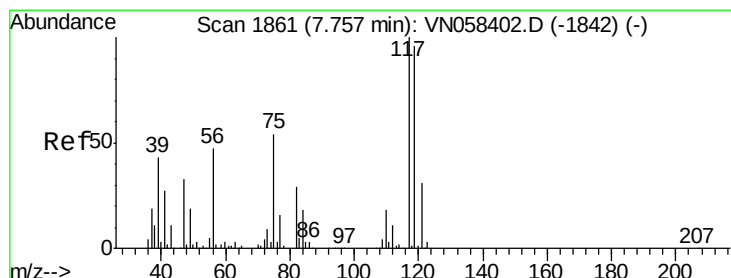
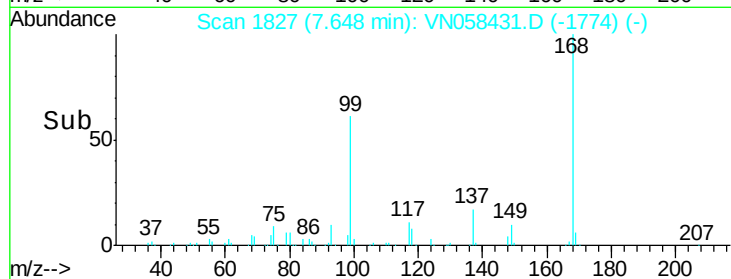
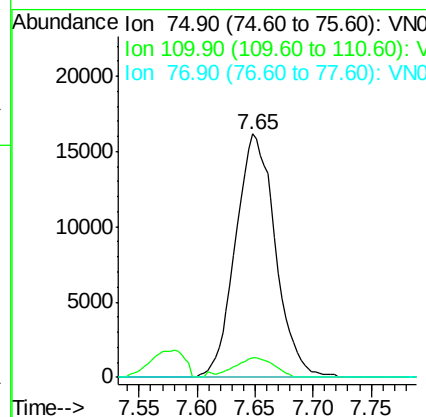
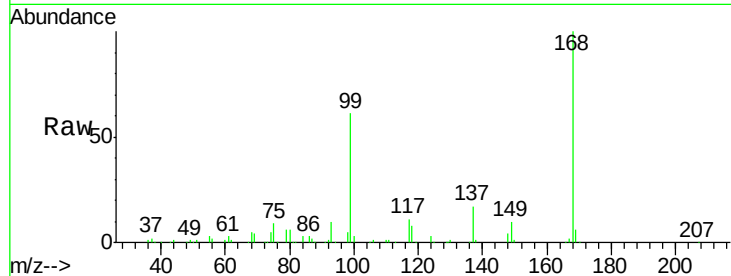




#36
 1,1-Dichloropropene
 Concen: 5.730 ug/l
 RT: 7.65 min Scan# 1827
 Delta R.T. -0.13 min
 Lab File: VN058431.D
 Acq: 30 Sep 2019 13:43

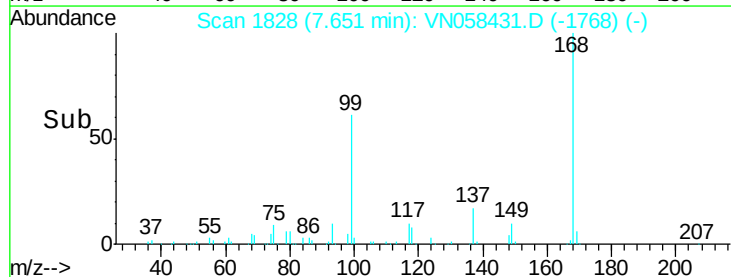
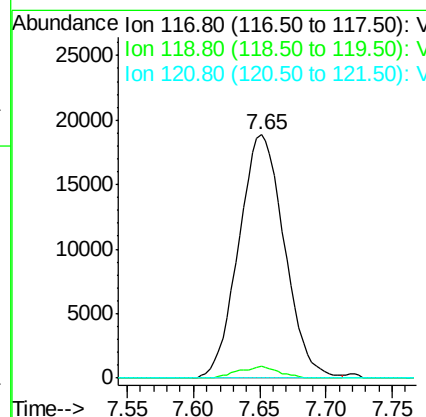
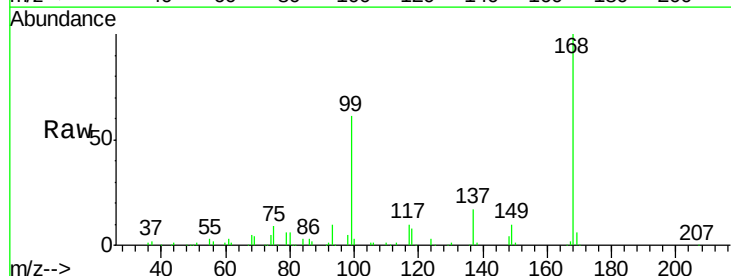
Instrument :
 MSVOA_N
 ClientSampleId :

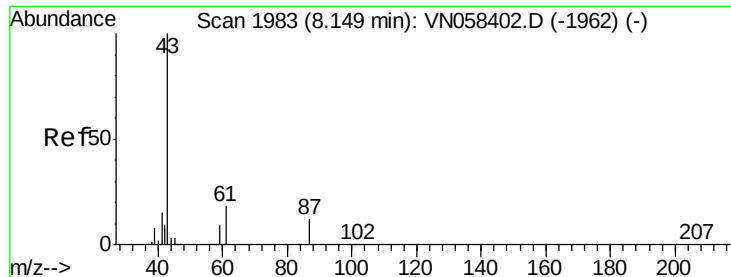
Tot Ion	Ratio	Lower	Upper
75	100		
110	7.9	16.4	49.2#
77	0.0	24.3	36.5#



#38
 Carbon Tetrachloride
 Concen: 7.405 ug/l
 RT: 7.65 min Scan# 1828
 Delta R.T. -0.11 min
 Lab File: VN058431.D
 Acq: 30 Sep 2019 13:43

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.7	76.6	115.0#
121	0.0	24.7	37.1#





#43

Isopropyl Acetate

Concen: 0.648 ug/l

RT: 8.24 min Scan# 2010

Delta R.T. 0.09 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

Instrument :

MSVOA_N

ClientSampleId :

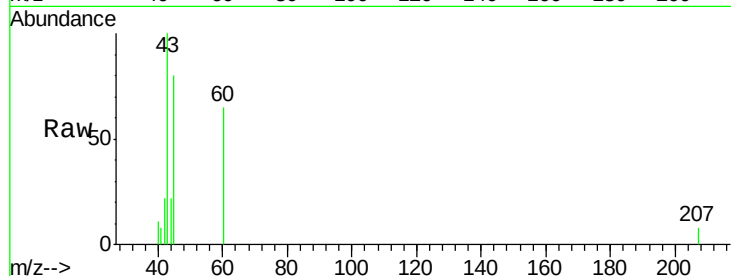
Tot Ion: 43 Resp: 6968

Ion Ratio Lower Upper

43 100

61 0.0 14.8 22.2#

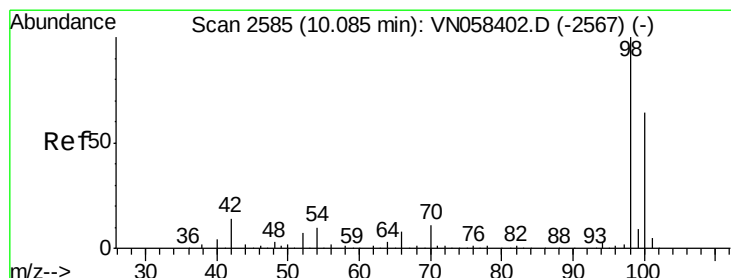
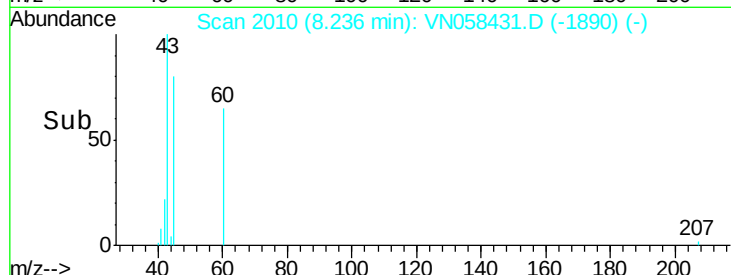
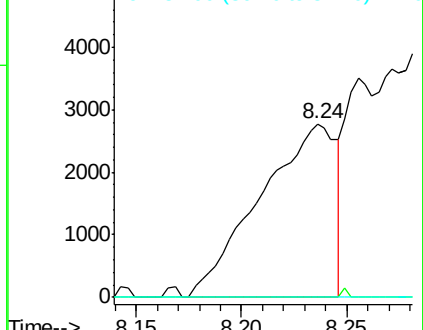
87 0.0 9.7 14.5#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 51.563 ug/l

RT: 10.08 min Scan# 2585

Delta R.T. -0.00 min

Lab File: VN058431.D

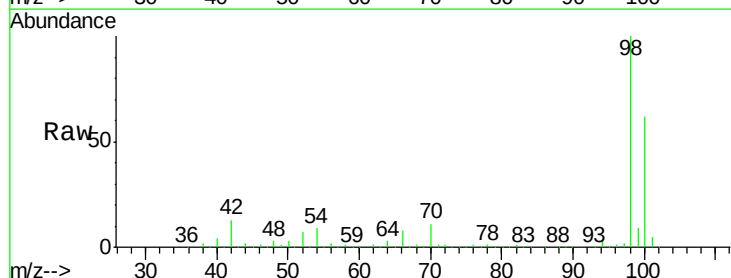
Acq: 30 Sep 2019 13:43

Tgt Ion: 98 Resp: 873285

Ion Ratio Lower Upper

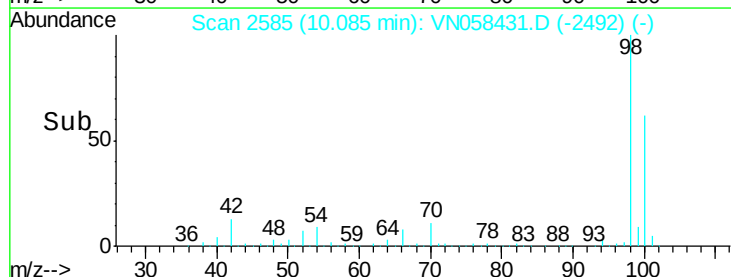
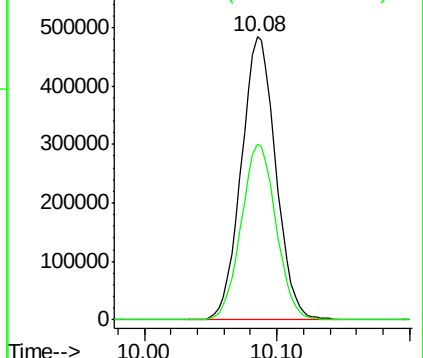
98 100

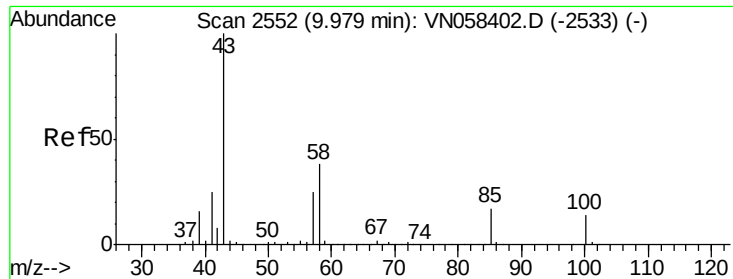
100 62.9 51.0 76.6



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0





#51

4-Methyl-2-Pentanone

Concen: 0.315 ug/l

RT: 9.93 min Scan# 2536

Delta R.T. -0.05 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

Instrument :

MSVOA_N

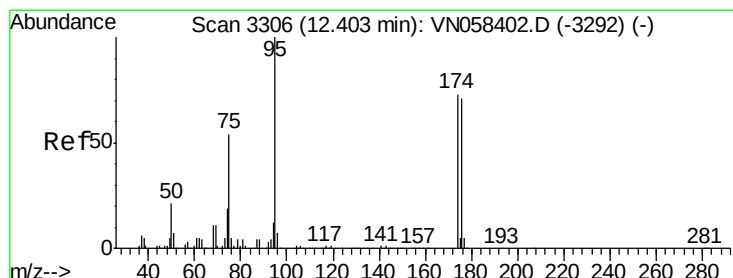
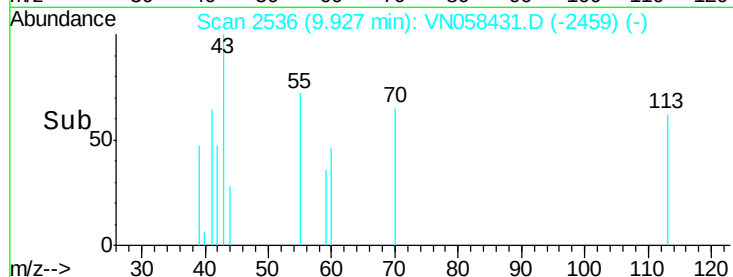
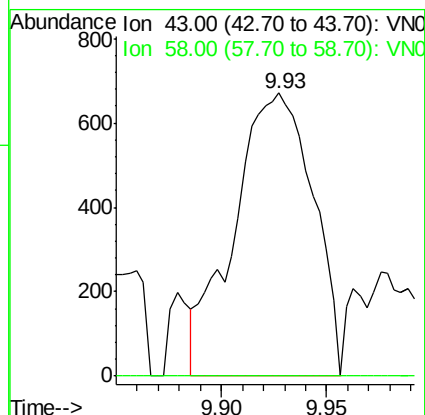
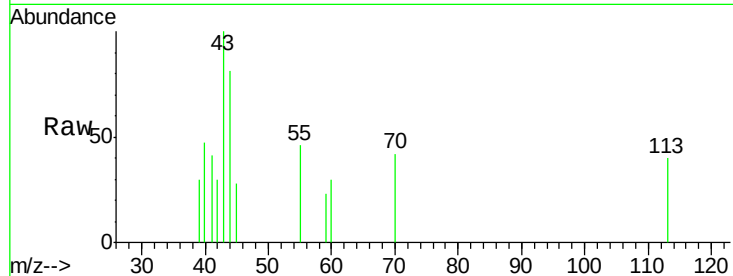
ClientSampleId :

Tot Ion: 43 Resp: 1742

Ion Ratio Lower Upper

43 100

58 0.0 30.2 45.2#



#62

4-Bromofluorobenzene

Concen: 44.927 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.00 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

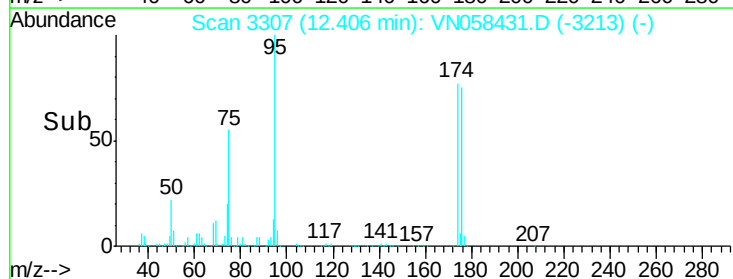
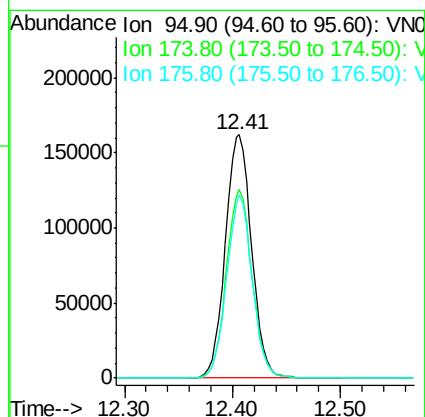
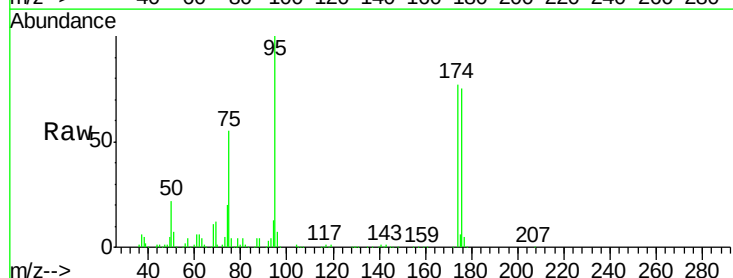
Tgt Ion: 95 Resp: 275127

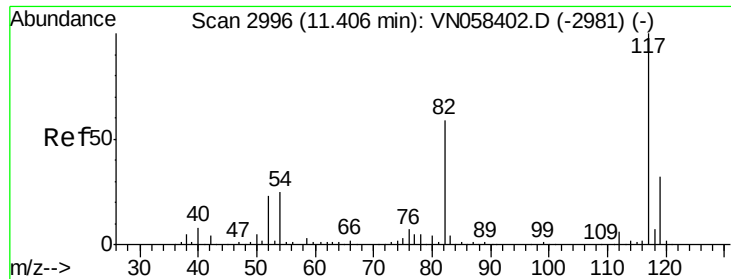
Ion Ratio Lower Upper

95 100

174 76.1 0.0 150.6

176 73.2 0.0 146.2

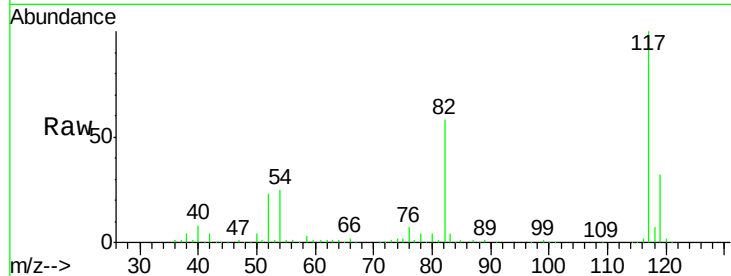




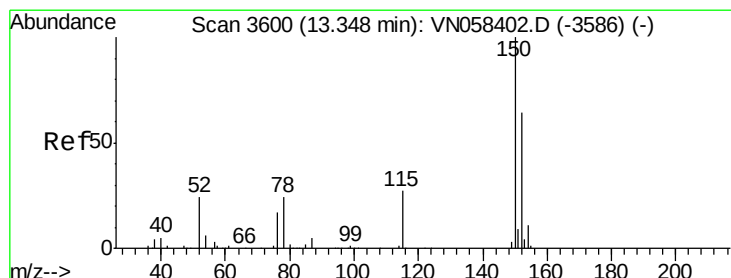
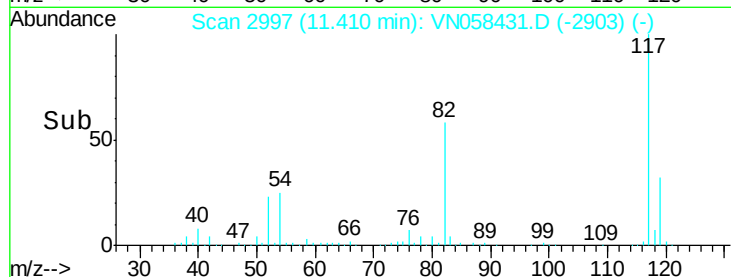
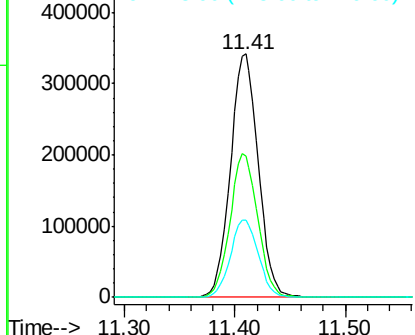
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN058431.D
Acq: 30 Sep 2019 13:43

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 596095
Ion Ratio Lower Upper
117 100
82 58.3 47.4 71.0
119 31.9 25.5 38.3

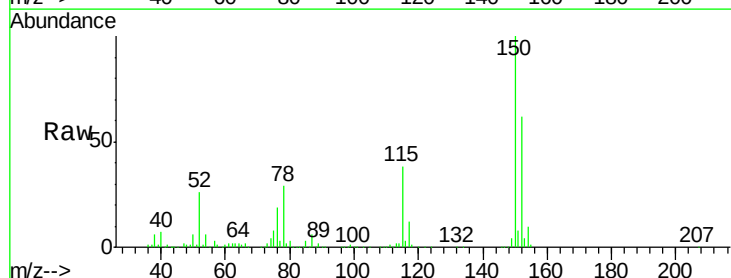


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

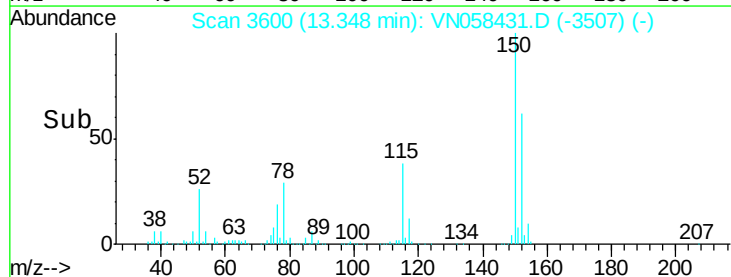
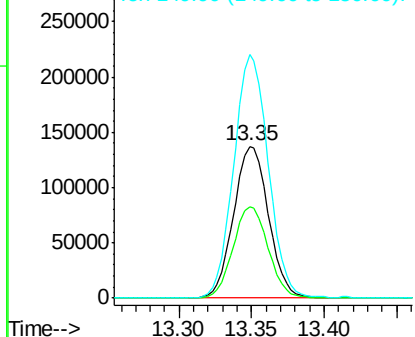


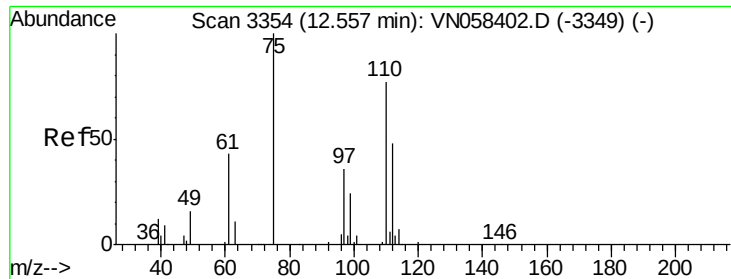
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3600
Delta R.T. -0.00 min
Lab File: VN058431.D
Acq: 30 Sep 2019 13:43

Tgt Ion:152 Resp: 230293
Ion Ratio Lower Upper
152 100
115 60.7 30.0 90.0
150 158.4 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: 35.887 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. -0.15 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

Instrument :

MSVOA_N

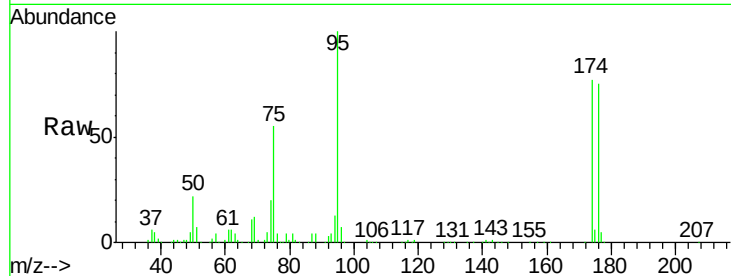
ClientSampled :

Tot Ion: 75 Resp: 150952

Ion Ratio Lower Upper

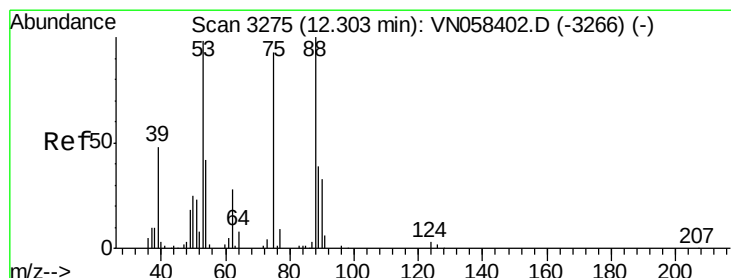
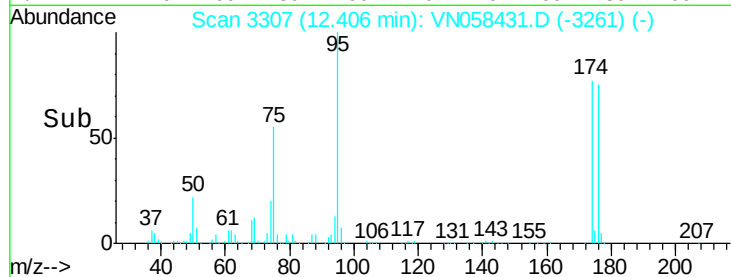
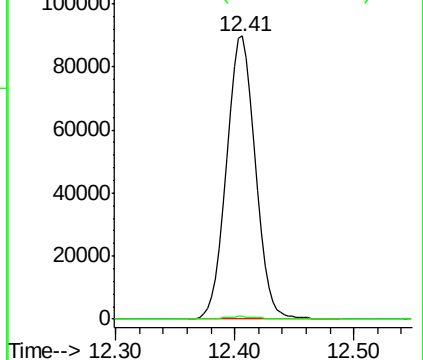
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#81

trans-1,4-Dichloro-2-butene

Concen: 108.993 ug/l

RT: 12.41 min Scan# 3307

Delta R.T. 0.10 min

Lab File: VN058431.D

Acq: 30 Sep 2019 13:43

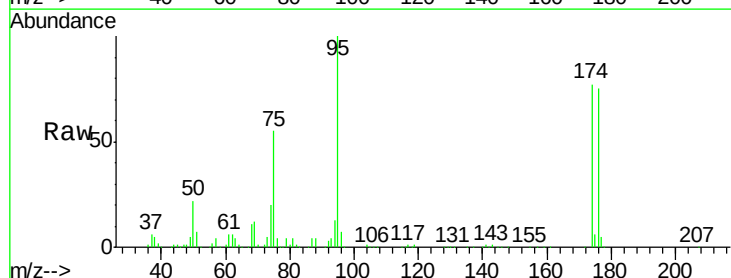
Tgt Ion: 75 Resp: 150952

Ion Ratio Lower Upper

75 100

53 0.0 85.4 128.0#

89 0.0 35.0 52.4#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

