

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111318\
 Data File : VN052291.D
 Acq On : 13 Nov 2018 17:17
 Operator : MD\SY
 Sample : PB114744ZHE#04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 14 00:09:57 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
 Quant Title : SW846 8260
 QLast Update : Mon Nov 12 00:34:27 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	316419	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	528214	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	442790	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	143614	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	212056	49.00	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.00%	
35) Dibromofluoromethane	7.59	113	166957	48.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	97.60%	
50) Toluene-d8	10.09	98	658161	49.15	ug/l	0.00
Spiked Amount	50.000		Recovery	=	98.30%	
62) 4-Bromofluorobenzene	12.40	95	180426	41.67	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.34%	

Target Compounds

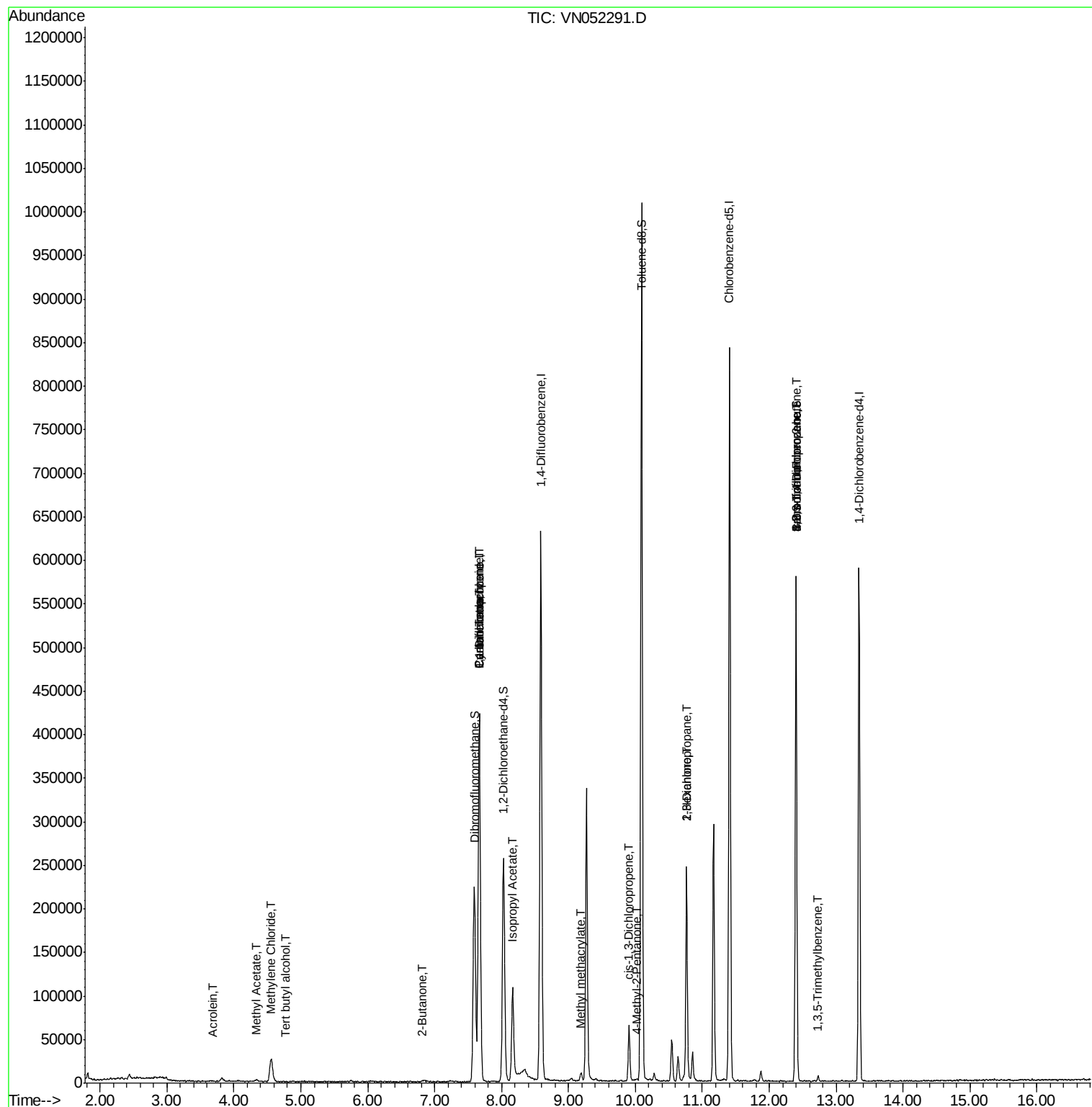
					Qvalue	
11) Tert butyl alcohol	4.79	59	61	0.275	ug/l #	71
13) Acrolein	3.70	56	31	34.177	ug/l #	12
16) Acetone	3.82	43	6469	Below Cal	#	89
18) Methyl Acetate	4.34	43	2647	0.732	ug/l	92
20) Methylene Chloride	4.56	84	16283	4.128	ug/l	96
25) 2-Butanone	6.82	43	560	0.303	ug/l #	52
31) Cyclohexane	7.66	56	8641	0.610	ug/l #	7
36) 1,1-Dichloropropene	7.66	75	27579	5.173	ug/l #	52
38) Carbon Tetrachloride	7.67	117	33088	6.848	ug/l #	16
43) Isopropyl Acetate	8.17	43	134778	19.283	ug/l	97
48) Methyl methacrylate	9.18	41	3657	0.993	ug/l #	27
51) 4-Methyl-2-Pentanone	10.02	43	1425	0.369	ug/l #	40
54) cis-1,3-Dichloropropene	9.90	75	9608	1.625	ug/l #	79
57) 1,3-Dichloropropane	10.76	76	2221	0.373	ug/l #	43
59) 2-Hexanone	10.76	43	38824	14.328	ug/l #	55
71) Bromoform	12.39	173	543	0.286	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	101283	39.861	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	2507	0.269	ug/l	94
81) trans-1,4-Dichloro-2-buten	12.40	75	101283	136.063	ug/l #	8

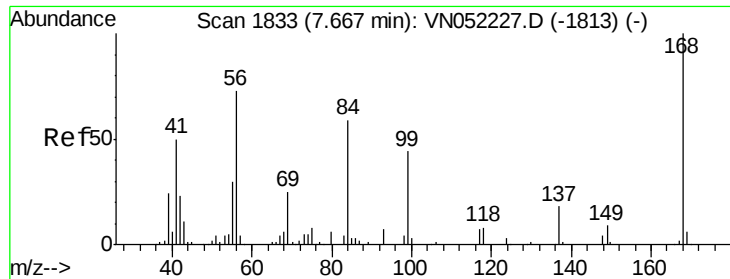
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111318\
Data File : VN052291.D
Acq On : 13 Nov 2018 17:17
Operator : MD\SY
Sample : PB114744ZHE#04
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 16 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :

Quant Time: Nov 14 00:09:57 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N110918W.M
Quant Title : SW846 8260
QLast Update : Mon Nov 12 00:34:27 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

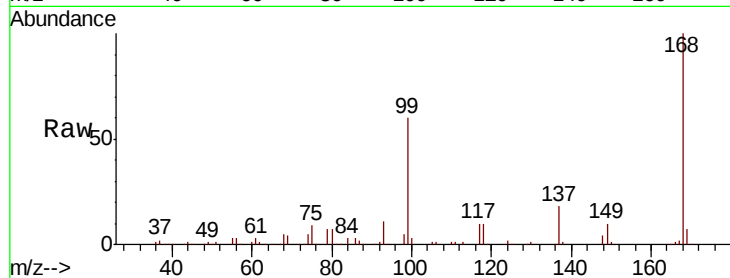
ClientSampled :

Tot Ion:168 Resp: 316419

Ion Ratio Lower Upper

168 100

99 60.0 44.7 67.1



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

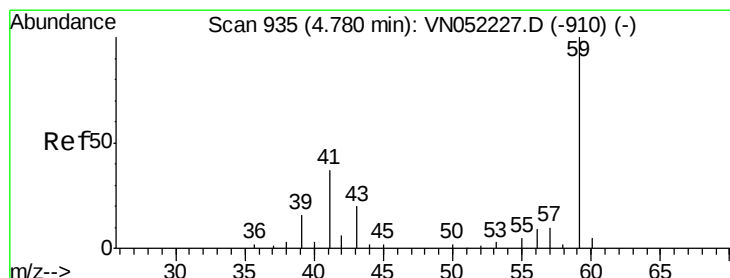
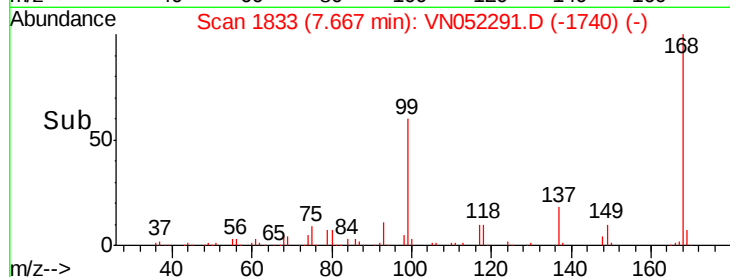
100000

50000

0

Time-->

7.60 7.70 7.80



#11

Tert butyl alcohol

Concen: 0.275 ug/l

RT: 4.79 min Scan# 937

Delta R.T. 0.01 min

Lab File: VN052291.D

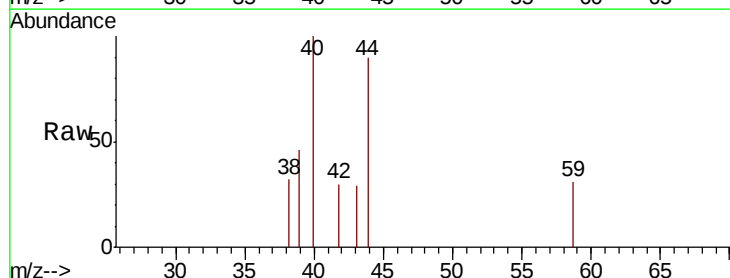
Acq: 13 Nov 2018 17:17

Tgt Ion: 59 Resp: 61

Ion Ratio Lower Upper

59 100

57 0.0 8.8 13.2#



Abundance Ion 59.00 (58.70 to 59.70): VNO

Ion 57.00 (56.70 to 57.70): VNO

4.79

150

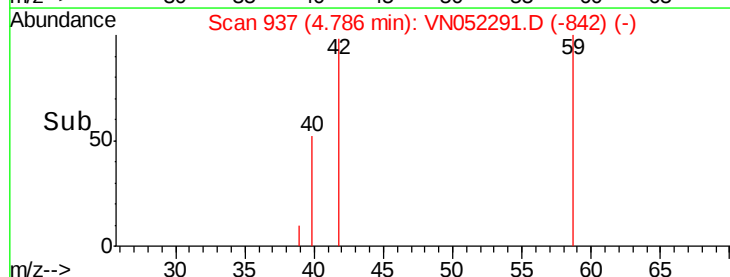
100

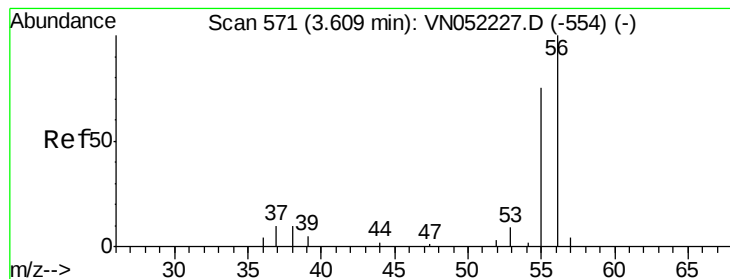
50

0

Time-->

4.78 4.78 4.79 4.79 4.79





#13

Acrolein

Concen: 34.177 ug/l

RT: 3.70 min Scan# 598

Delta R.T. 0.09 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

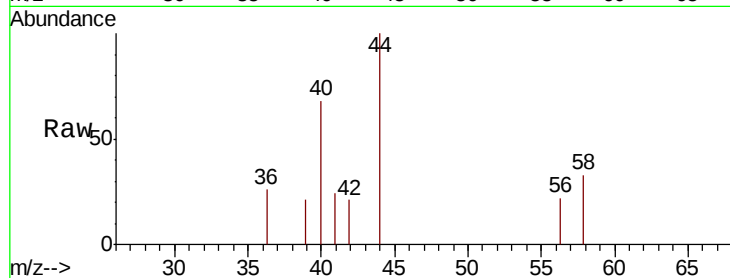
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 31

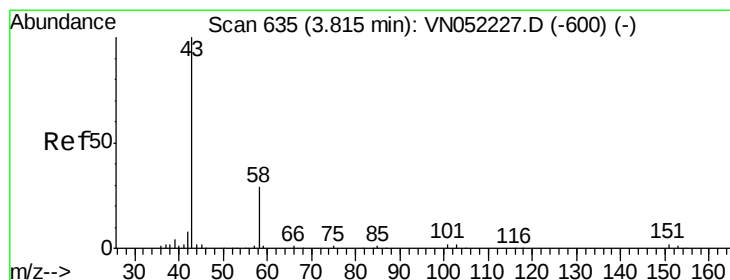
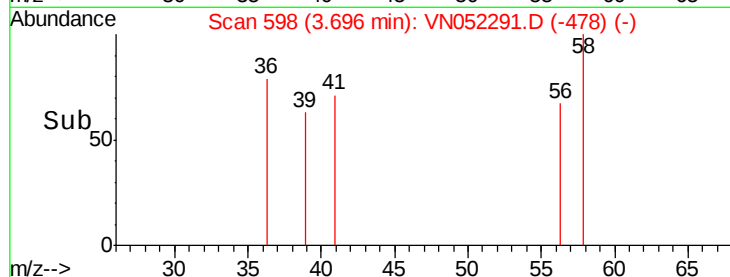
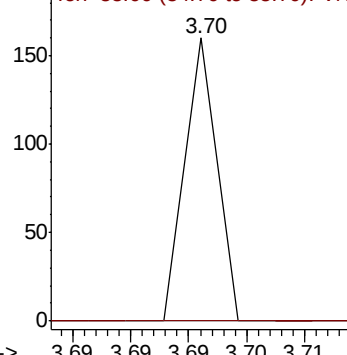
Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VN052227.D (-554) (-)



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN052291.D

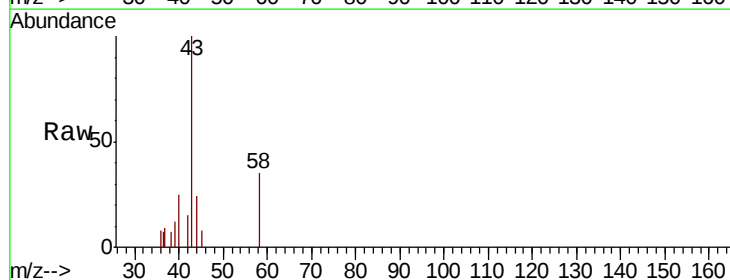
Acq: 13 Nov 2018 17:17

Tgt Ion: 43 Resp: 6469

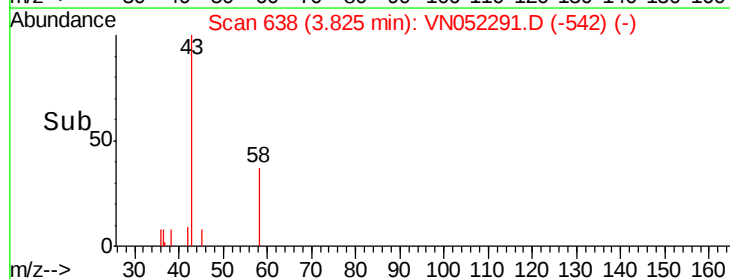
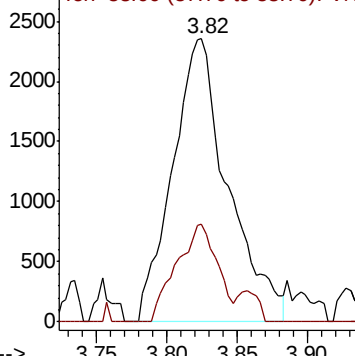
Ion Ratio Lower Upper

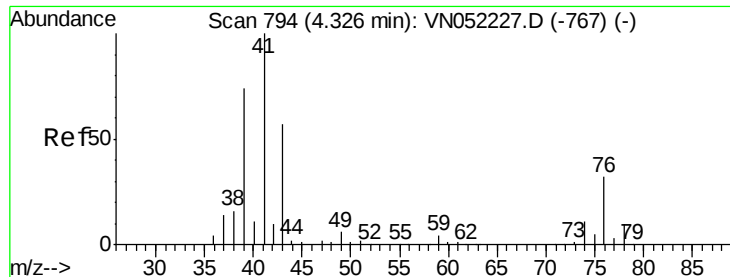
43 100

58 34.6 23.0 34.6#



Abundance Ion 43.00 (42.70 to 43.70): VN052227.D (-600) (-)

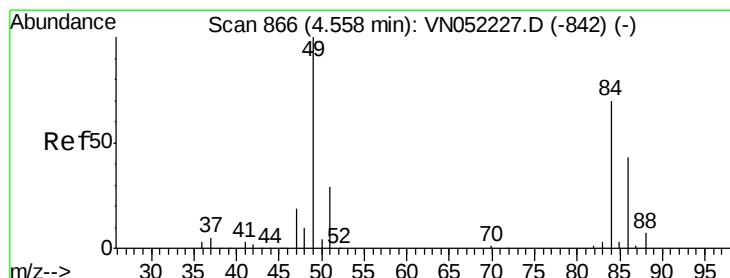
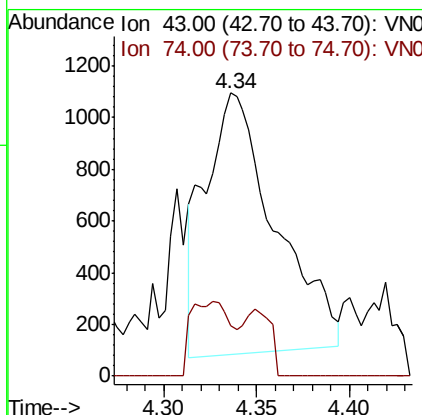
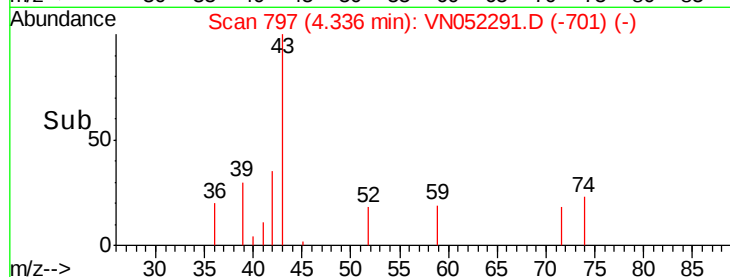
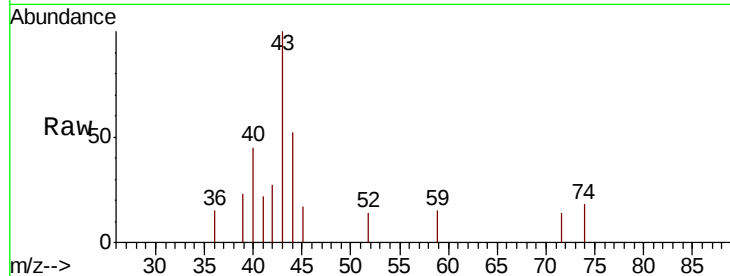




#18
Methyl Acetate
Concen: 0.732 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

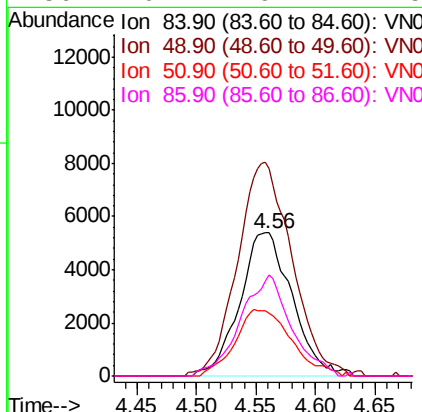
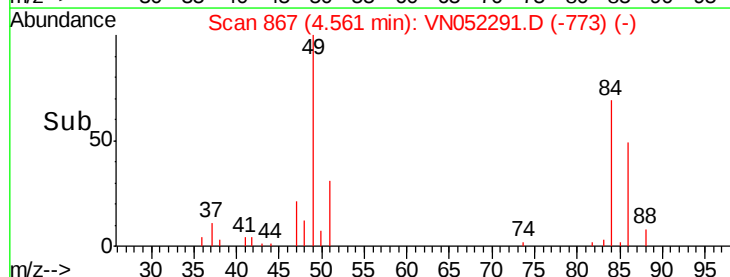
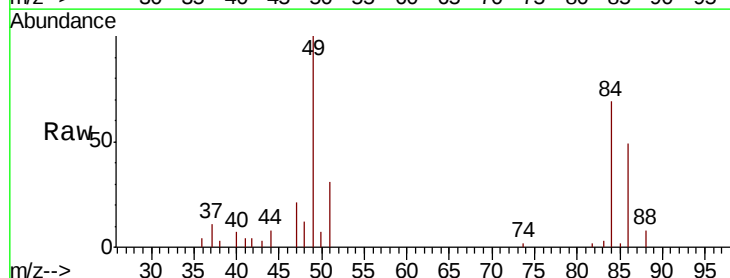
Instrument :
MSVOA_N
ClientSampled :

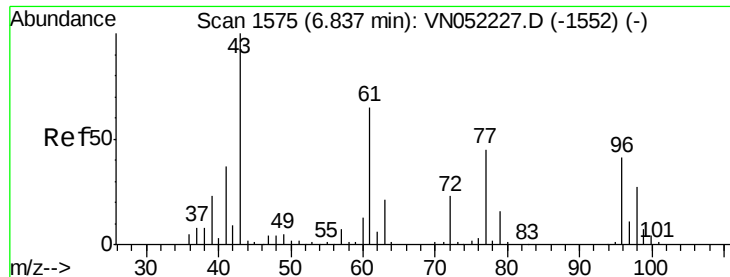
Tot Ion: 43 Resp: 2647
Ion Ratio Lower Upper
43 100
74 16.4 16.2 24.2



#20
Methylene Chloride
Concen: 4.128 ug/l
RT: 4.56 min Scan# 867
Delta R.T. 0.00 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

Tgt Ion: 84 Resp: 16283
Ion Ratio Lower Upper
84 100
49 141.6 114.8 172.2
51 44.2 33.1 49.7
86 70.2 49.7 74.5





#25

2-Butanone

Concen: 0.303 ug/l

RT: 6.82 min Scan# 1570

Delta R.T. -0.02 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

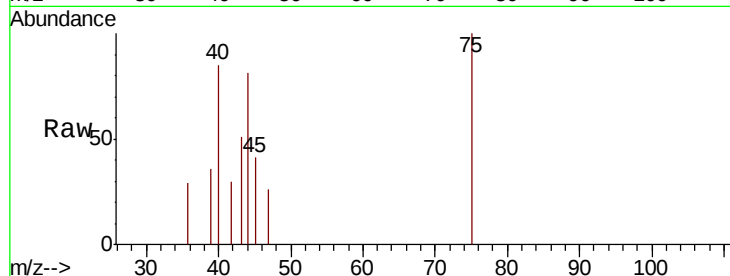
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 43 Resp: 560

Ion Ratio Lower Upper

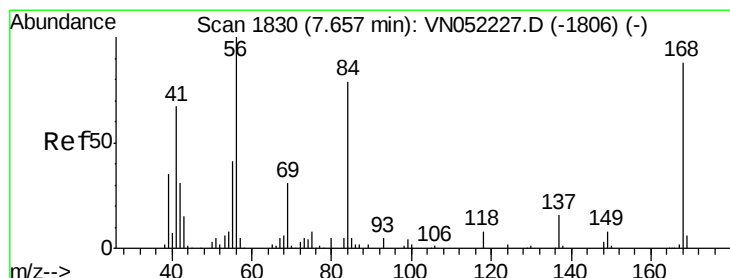
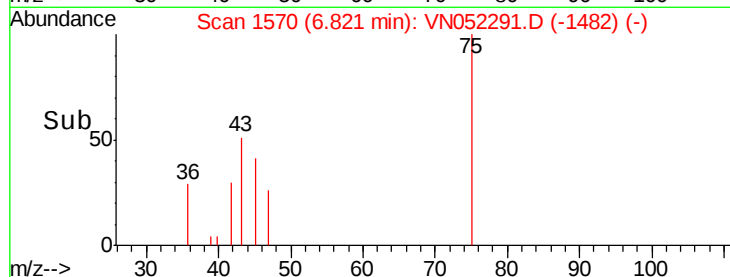
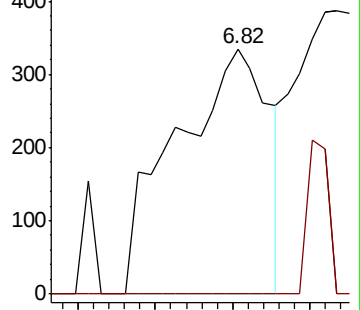
43 100

72 0.0 18.6 27.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 72.00 (71.70 to 72.70): VN0



#31

Cyclohexane

Concen: 0.610 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

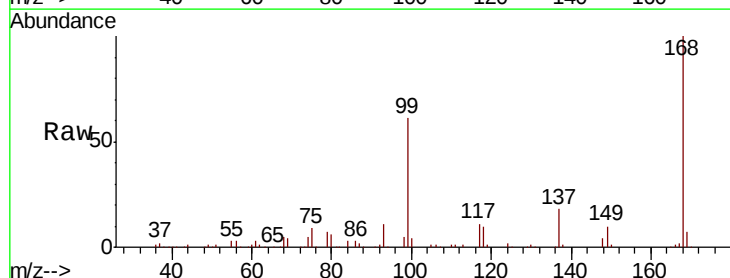
Tgt Ion: 56 Resp: 8641

Ion Ratio Lower Upper

56 100

69 139.1 24.8 37.2#

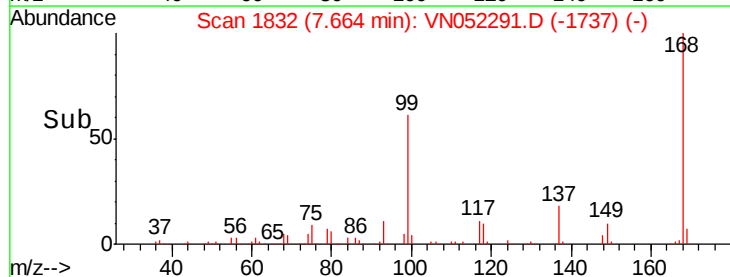
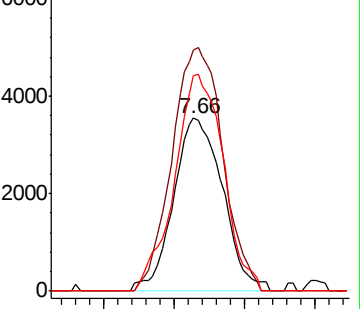
84 124.9 63.1 94.7#

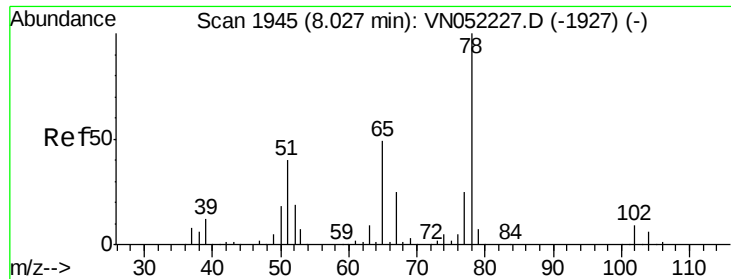


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0

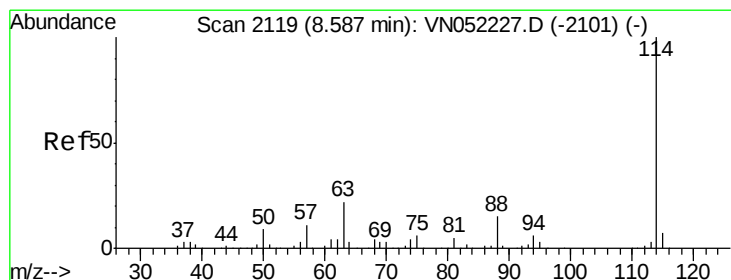
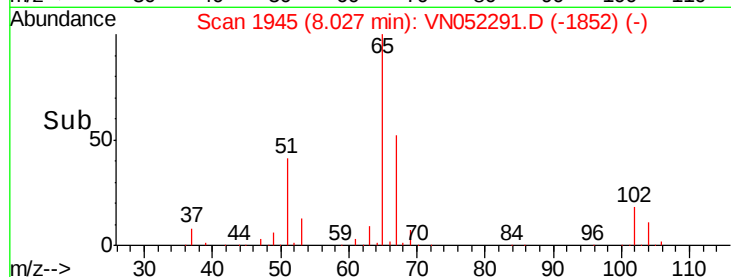
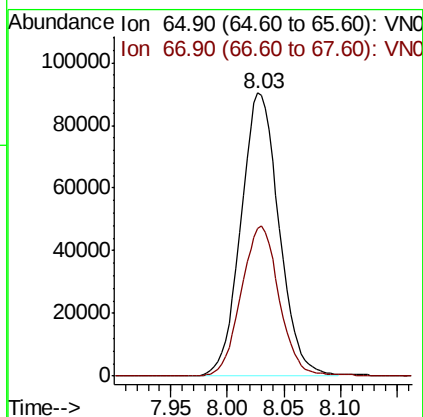
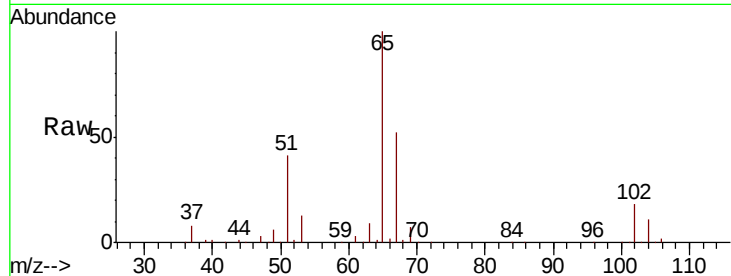




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN052291.D
 Acq: 13 Nov 2018 17:17

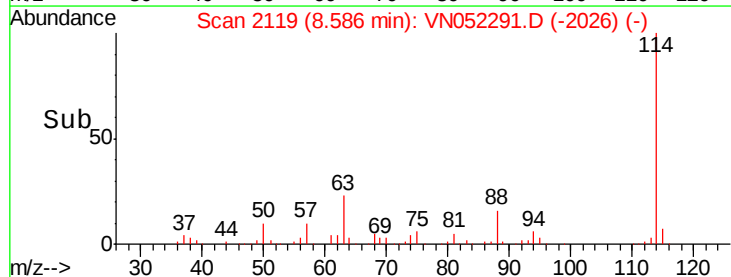
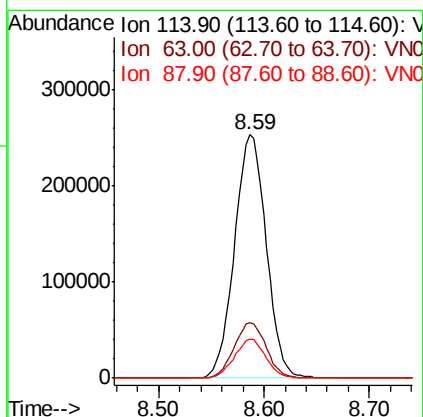
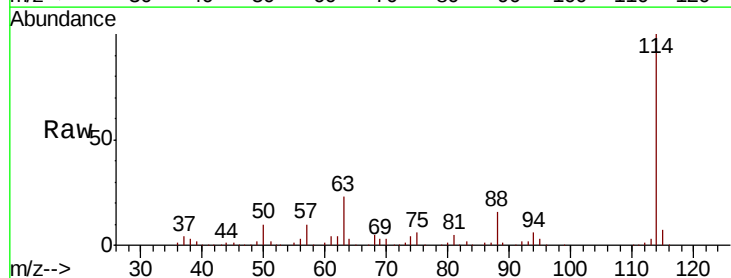
Instrument :
 MSVOA_N
 ClientSampleId :

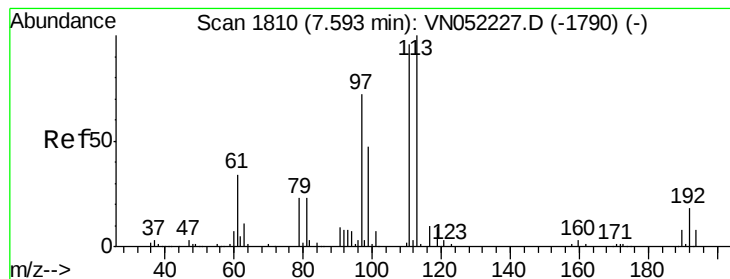
Tot Ion: 65 Resp: 212056
 Ion Ratio Lower Upper
 65 100
 67 52.8 0.0 106.6



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052291.D
 Acq: 13 Nov 2018 17:17

Tgt Ion: 114 Resp: 528214
 Ion Ratio Lower Upper
 114 100
 63 22.9 0.0 43.4
 88 16.1 0.0 30.2





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

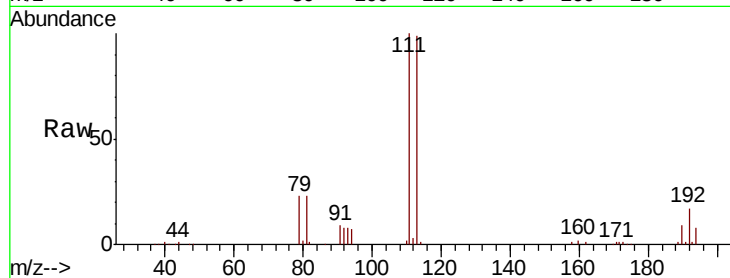
Tot Ion:113 Resp: 166957

Ion Ratio Lower Upper

113 100

111 102.4 80.2 120.4

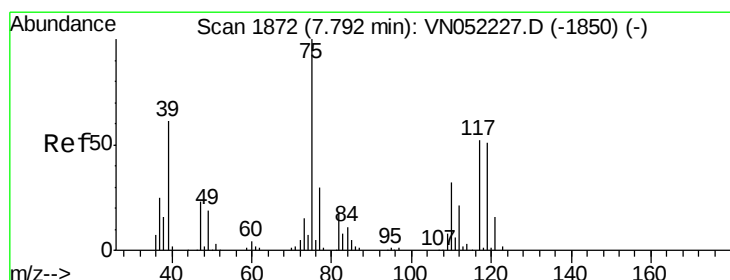
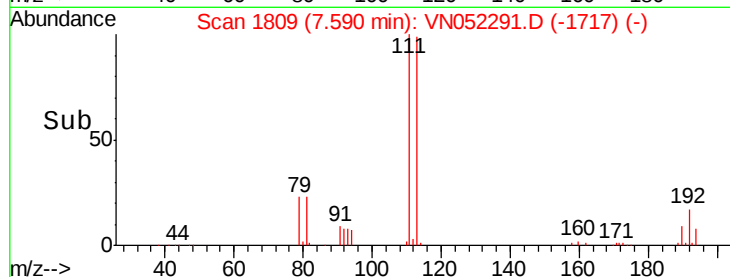
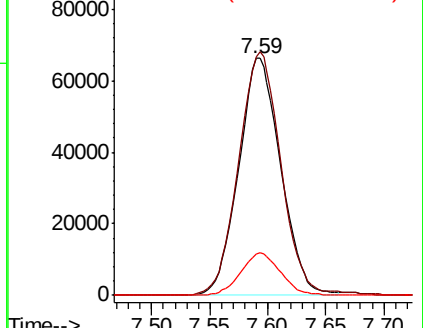
192 16.9 14.1 21.1



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: 5.173 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

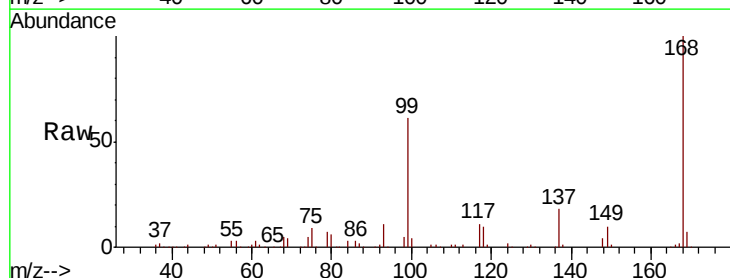
Tgt Ion: 75 Resp: 27579

Ion Ratio Lower Upper

75 100

110 9.9 16.4 49.4#

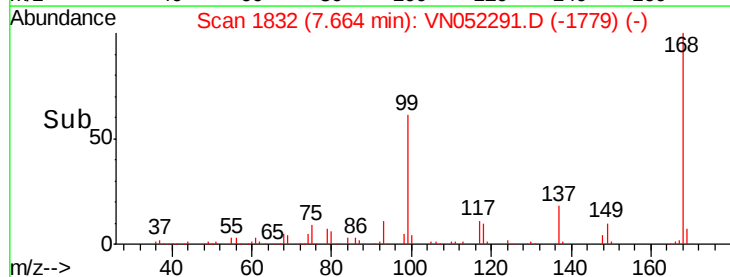
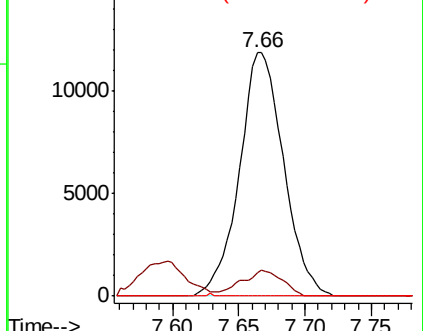
77 0.0 23.9 35.9#

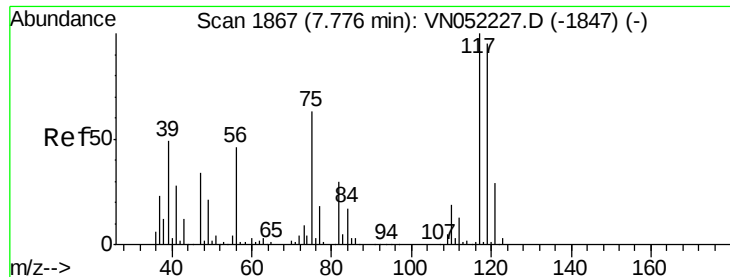


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 6.848 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

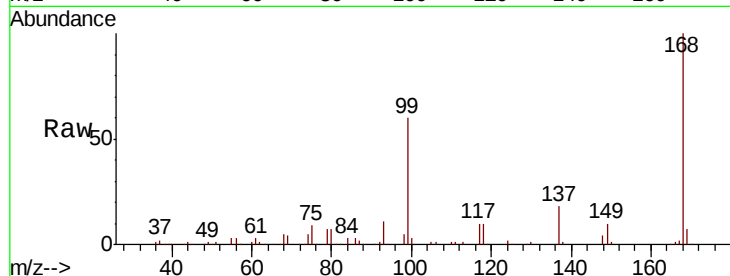
Tot Ion:117 Resp: 33088

Ion Ratio Lower Upper

117 100

119 4.8 75.8 113.8#

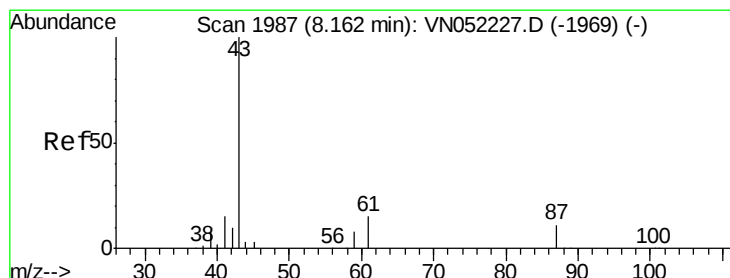
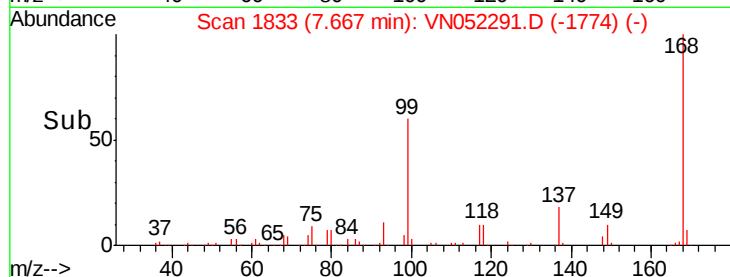
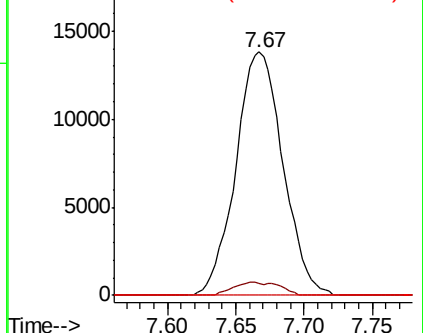
121 0.0 23.4 35.2#



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: 19.283 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

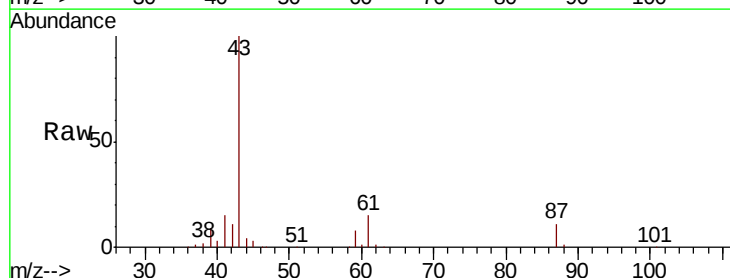
Tgt Ion: 43 Resp: 134778

Ion Ratio Lower Upper

43 100

61 15.5 14.2 21.4

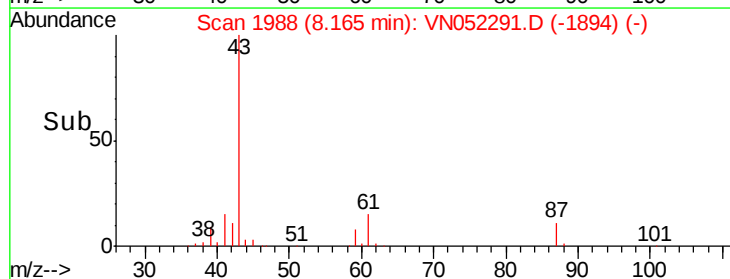
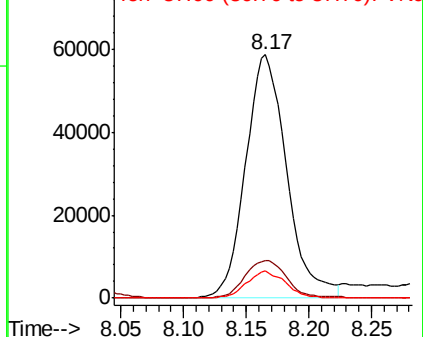
87 10.5 8.4 12.6

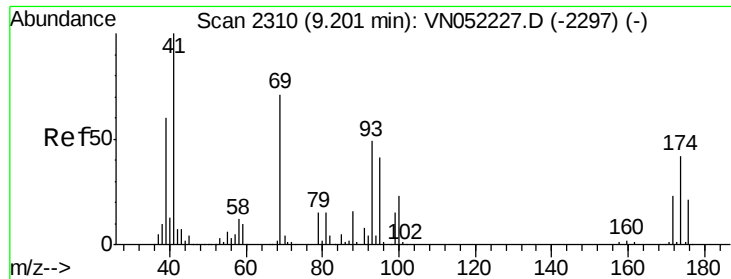


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V

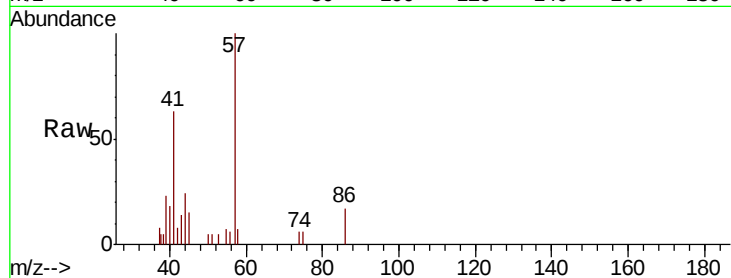




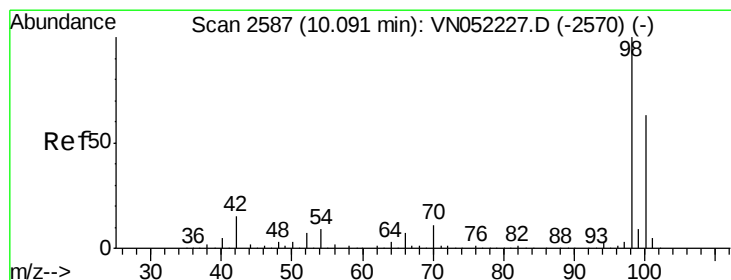
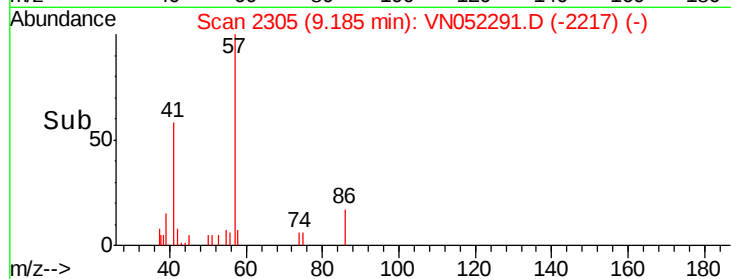
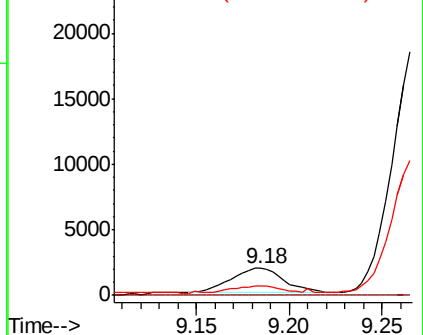
#48
Methvl methacrylate
Concen: 0.993 ug/l
RT: 9.18 min Scan# 2305
Delta R.T. -0.02 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 41 Resp: 3657
Ion Ratio Lower Upper
41 100
69 0.0 58.8 88.2#
39 19.9 50.7 76.1#

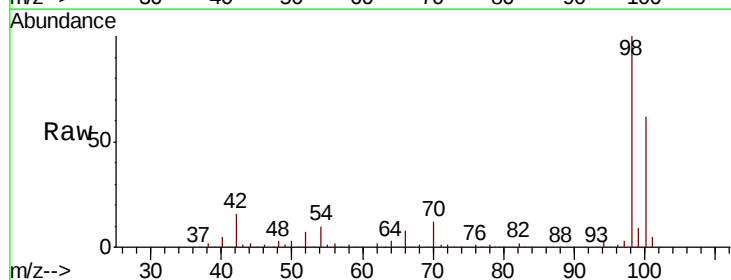


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

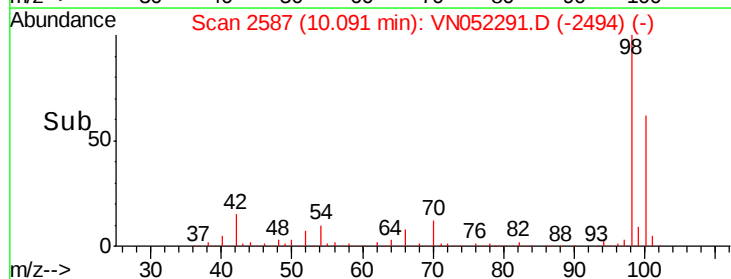
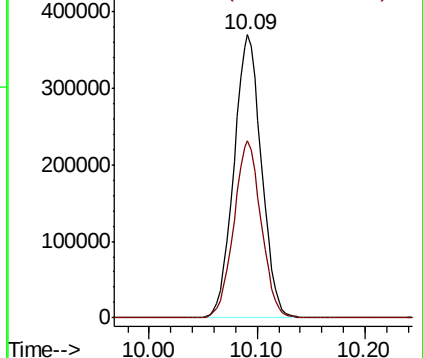


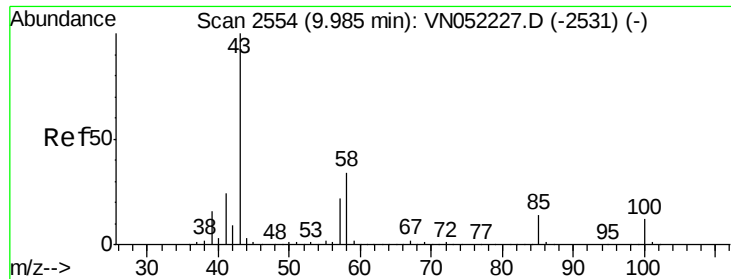
#50
Toluene-d8
Concen: N.D. ug/l
RT: 10.09 min Scan# 2587
Delta R.T. -0.00 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

Tgt Ion: 98 Resp: 658161
Ion Ratio Lower Upper
98 100
100 62.0 50.2 75.2



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: 0.369 ug/l

RT: 10.02 min Scan# 2565

Delta R.T. 0.04 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

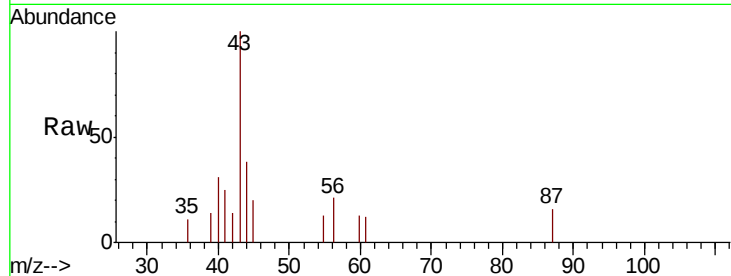
ClientSampled :

Tot Ion: 43 Resp: 1425

Ion Ratio Lower Upper

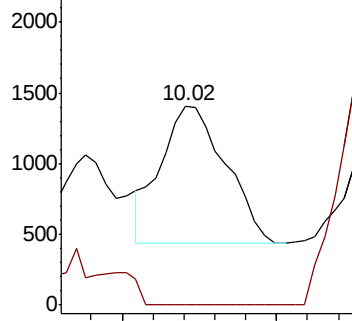
43 100

58 0.0 27.4 41.0#

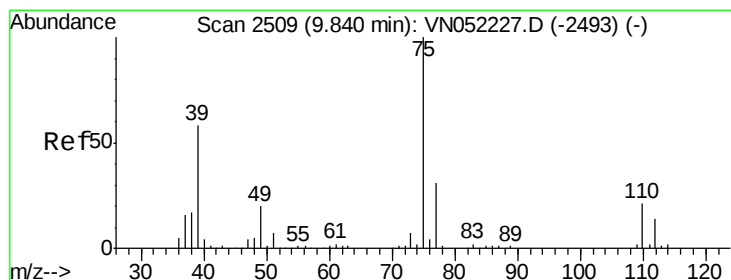
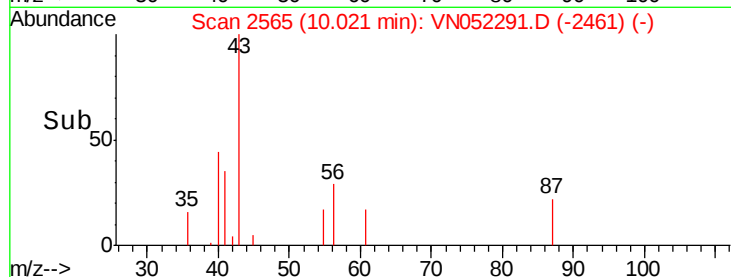


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time-->



#54

cis-1,3-Dichloropropene

Concen: 1.625 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.06 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

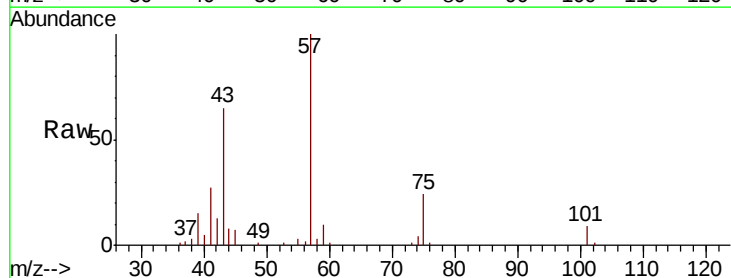
Tgt Ion: 75 Resp: 9608

Ion Ratio Lower Upper

75 100

77 0.0 25.2 37.8#

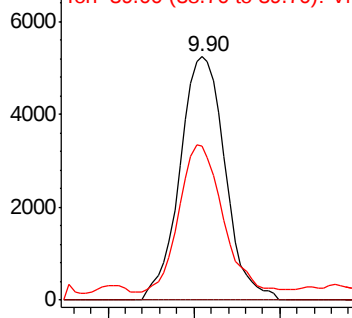
39 60.1 46.6 70.0



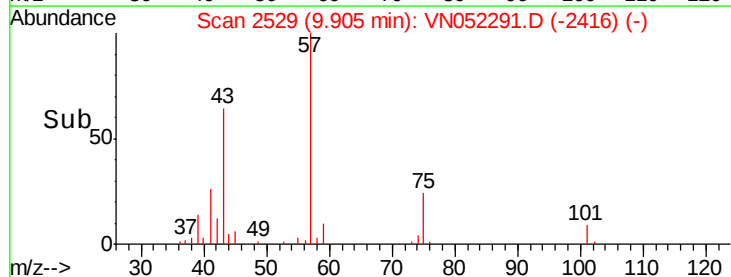
Abundance Ion 74.90 (74.60 to 75.60): VN0

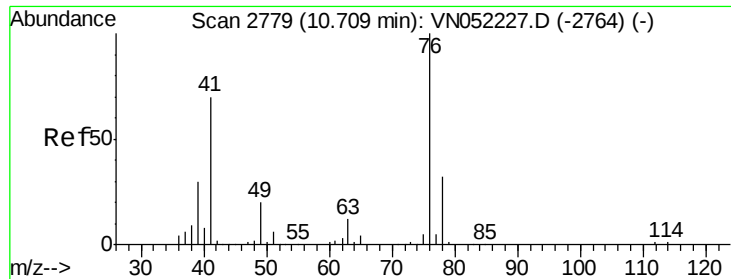
Ion 76.90 (76.60 to 77.60): VN0

Ion 39.00 (38.70 to 39.70): VN0



Time-->





#57

1,3-Dichloropropane

Concen: 0.373 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.05 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

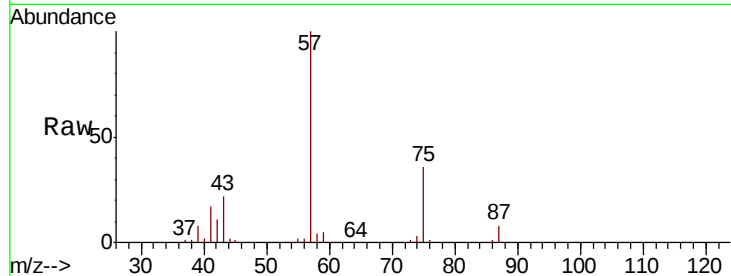
ClientSampleId :

Tot Ion: 76 Resp: 2221

Ion Ratio Lower Upper

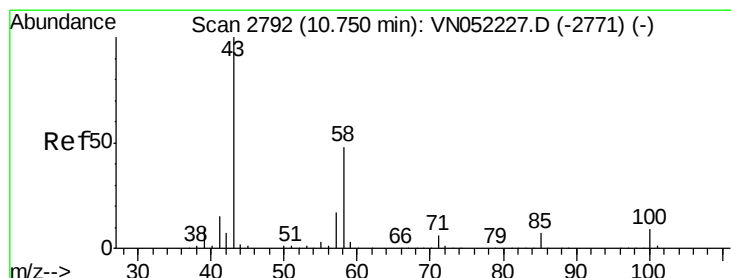
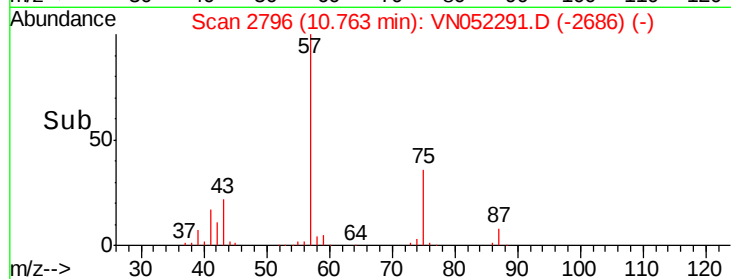
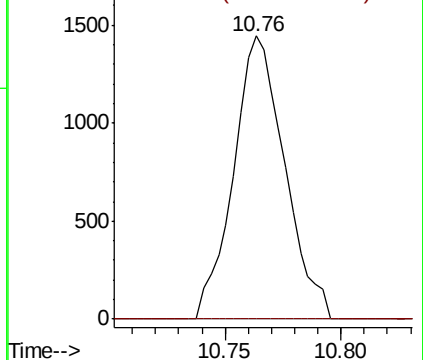
76 100

78 0.0 25.7 38.5#



Abundance Ion 75.90 (75.60 to 76.60): VNO

Ion 77.90 (77.60 to 78.60): VNO



#59

2-Hexanone

Concen: 14.328 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.01 min

Lab File: VN052291.D

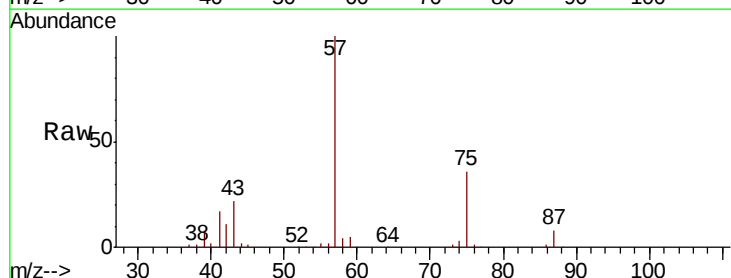
Acq: 13 Nov 2018 17:17

Tgt Ion: 43 Resp: 38824

Ion Ratio Lower Upper

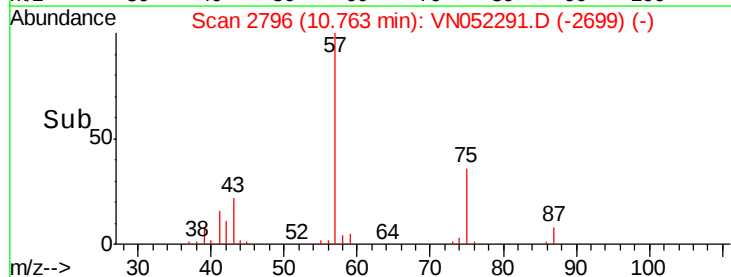
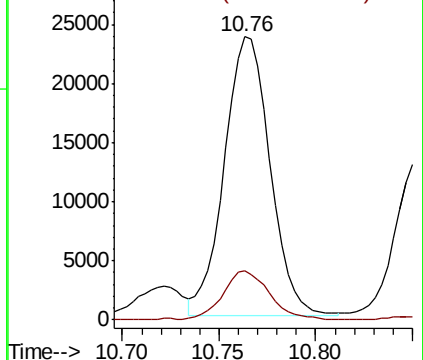
43 100

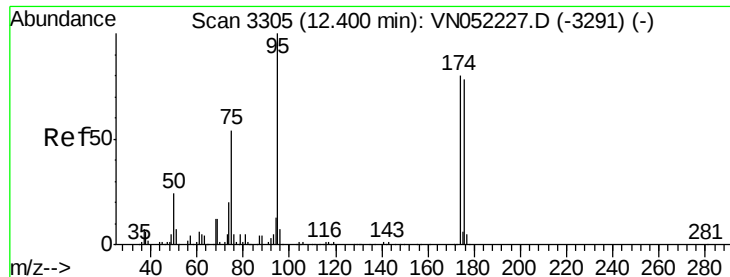
58 18.0 24.1 72.3#



Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 58.00 (57.70 to 58.70): VNO

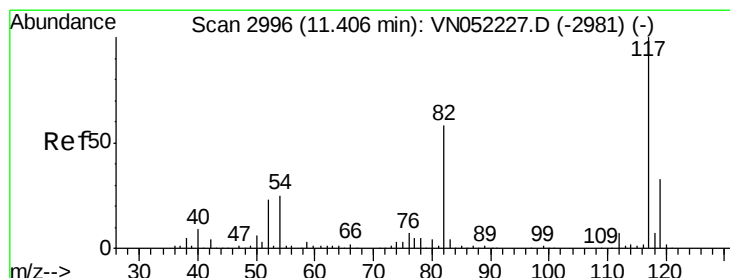
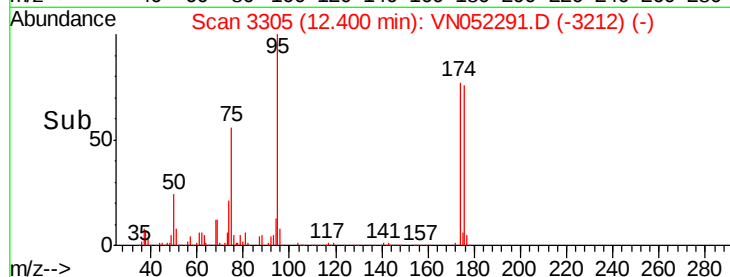
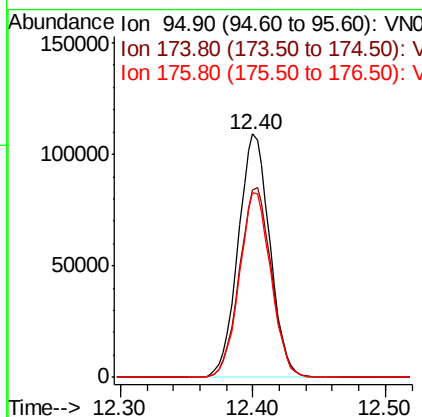
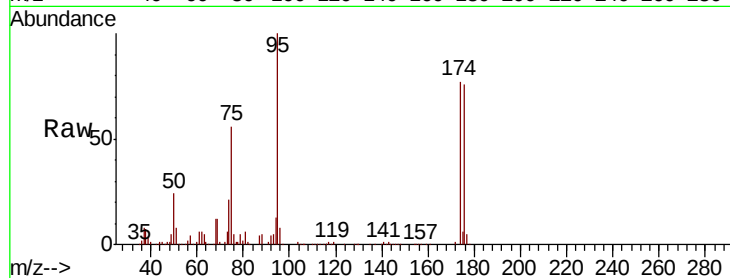




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

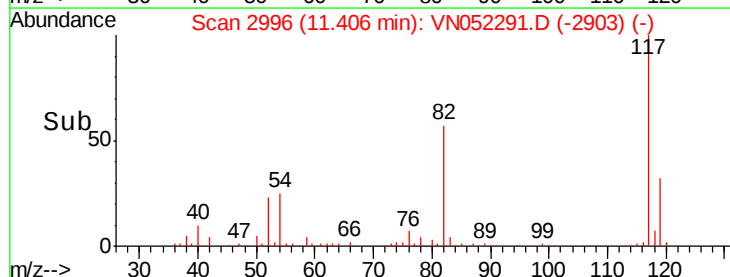
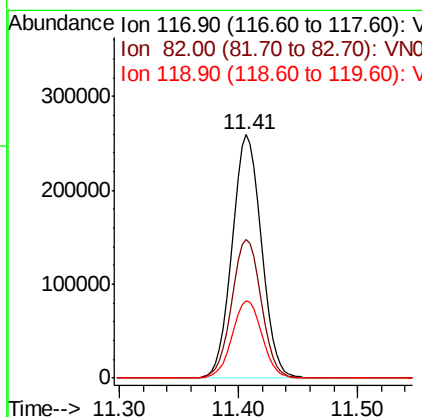
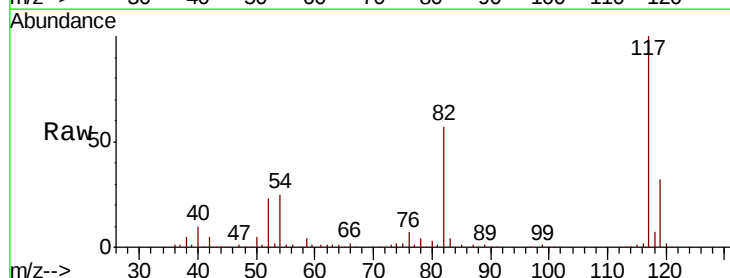
Instrument :
MSVOA_N
ClientSampled :

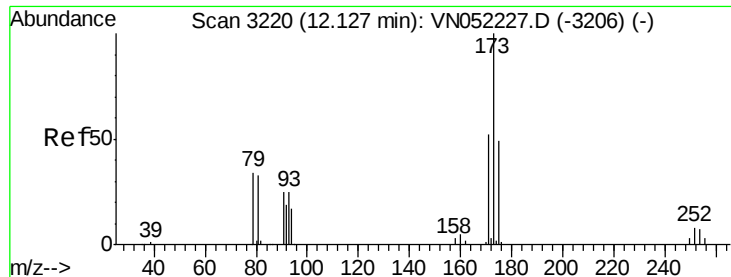
Tot Ion	Ratio	Lower	Upper
95	100		
174	78.9	0.0	159.4
176	75.6	0.0	157.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.0	46.2	69.2
119	31.5	26.2	39.4

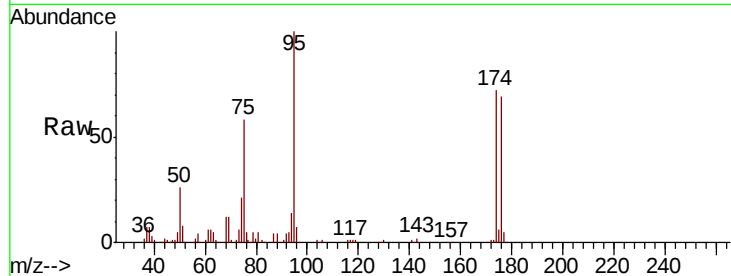




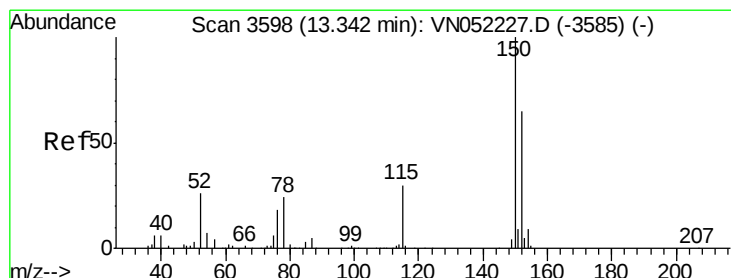
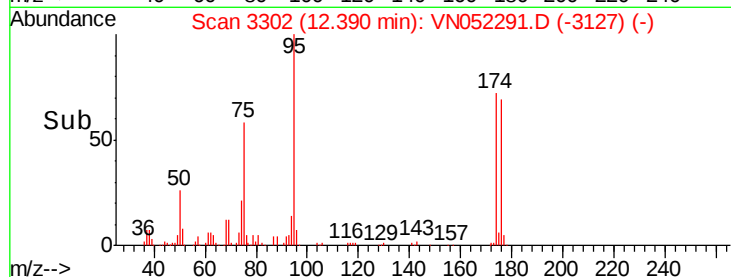
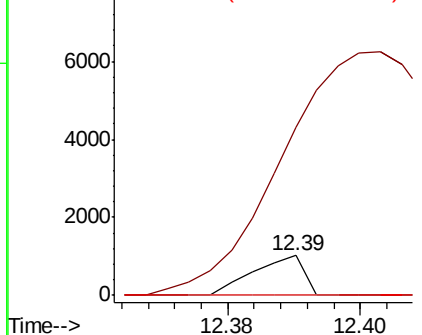
#71
Bromoform
Concen: 0.286 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:173 Resp: 543
Ion Ratio Lower Upper
173 100
175 1794.3 24.5 73.5#
254 0.0 0.0 0.0

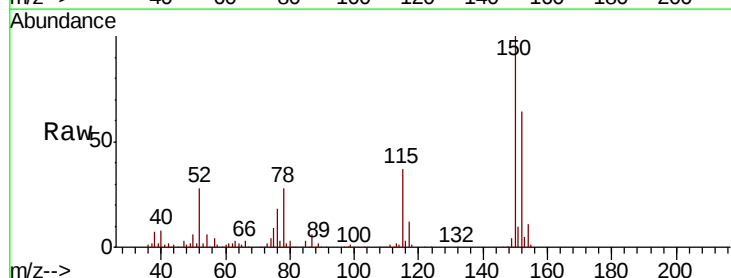


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

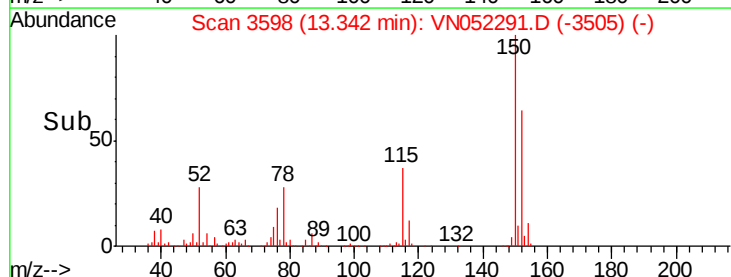
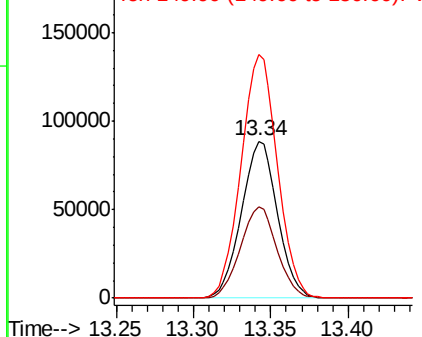


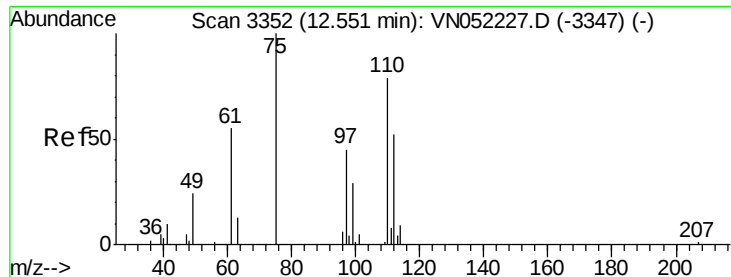
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052291.D
Acq: 13 Nov 2018 17:17

Tgt Ion:152 Resp: 143614
Ion Ratio Lower Upper
152 100
115 59.1 29.8 89.5
150 156.7 0.0 350.2



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: 39.861 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

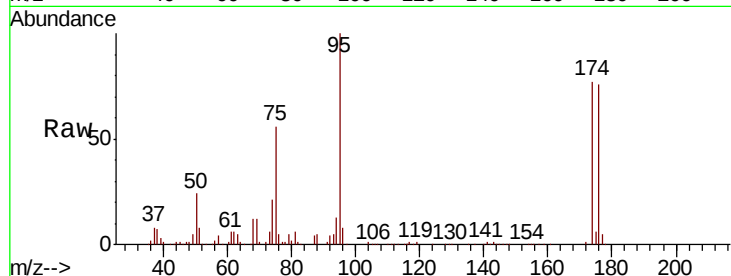
ClientSampled :

Tot Ion: 75 Resp: 101283

Ion Ratio Lower Upper

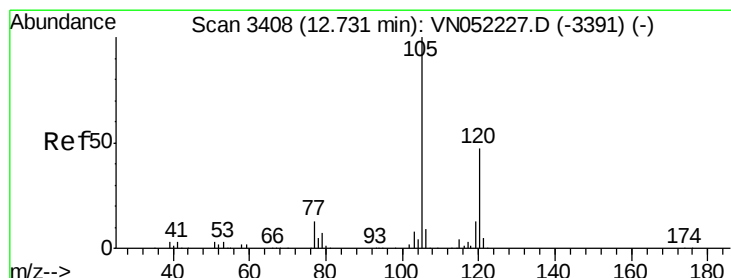
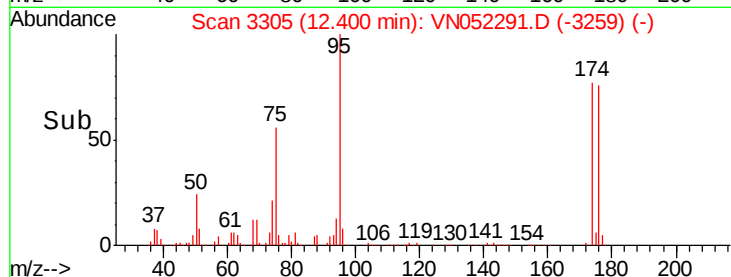
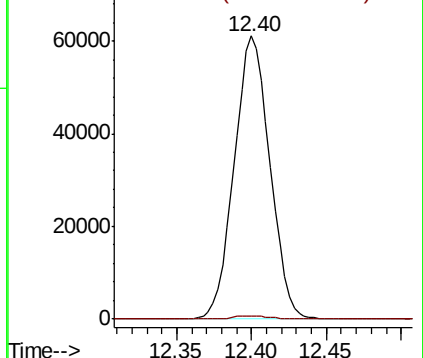
75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#80

1,3,5-Trimethylbenzene

Concen: 0.269 ug/l

RT: 12.73 min Scan# 3408

Delta R.T. 0.00 min

Lab File: VN052291.D

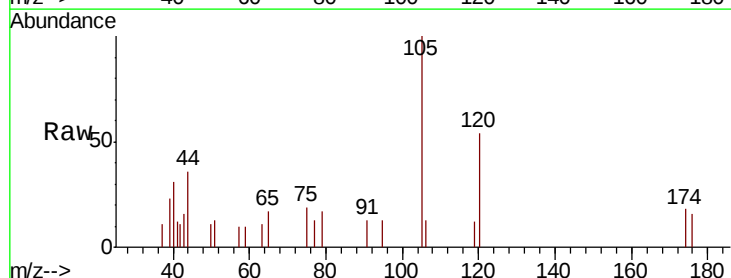
Acq: 13 Nov 2018 17:17

Tgt Ion: 105 Resp: 2507

Ion Ratio Lower Upper

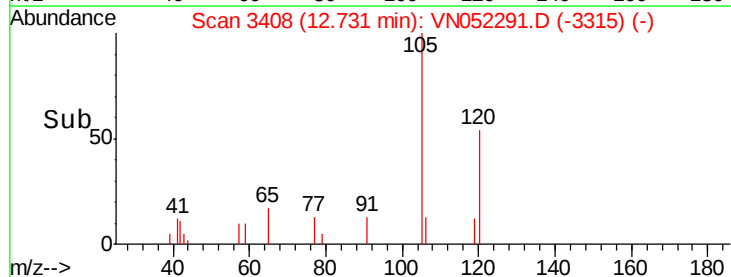
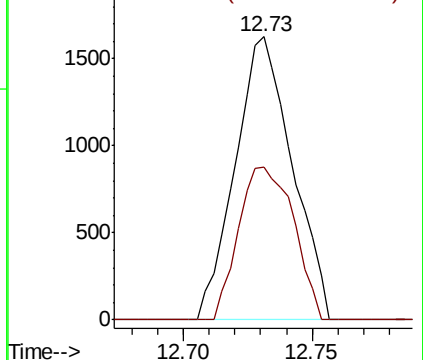
105 100

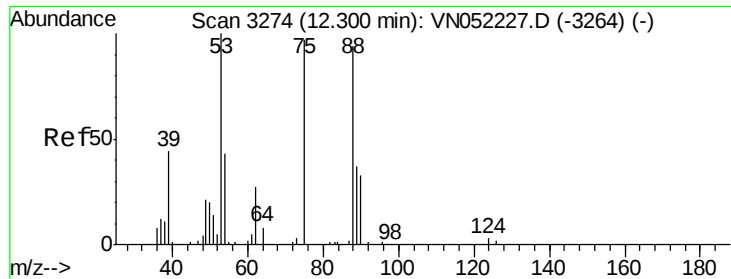
120 52.0 23.9 71.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#81

trans-1,4-Dichloro-2-butene

Concen: 136.063 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052291.D

Acq: 13 Nov 2018 17:17

Instrument :

MSVOA_N

ClientSampleId :

Tot Ion: 75 Resp: 101283

Ion Ratio Lower Upper

75 100

53 0.1 84.0 126.0#

89 0.0 33.7 50.5#

