

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN112118\
 Data File : VN052427.D
 Acq On : 21 Nov 2018 10:16
 Operator : MD\SY
 Sample : VN1121WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

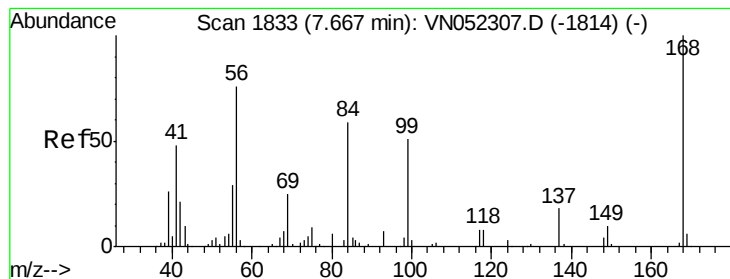
Quant Time: Nov 21 23:52:20 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Nov 15 03:02:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	315256	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	519095	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	426935	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	133915	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	251475	56.48	ug/l	0.00
Spiked Amount						
			Recovery	=	112.96%	
35) Dibromofluoromethane	7.59	113	184989	55.25	ug/l	0.00
Spiked Amount						
			Recovery	=	110.50%	
50) Toluene-d8	10.09	98	704021	53.45	ug/l	0.00
Spiked Amount						
			Recovery	=	106.90%	
62) 4-Bromofluorobenzene	12.40	95	198202	45.74	ug/l	0.00
Spiked Amount						
			Recovery	=	91.48%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.60	56	274	22.476	ug/l #	14
16) Acetone	3.81	43	605	0.493	ug/l #	44
18) Methyl Acetate	4.33	43	897	0.691	ug/l #	57
20) Methylene Chloride	4.56	84	718	Below Cal	#	81
29) Tetrahydrofuran	7.21	42	330	0.291	ug/l #	40
31) Cyclohexane	7.66	56	10377	0.483	ug/l #	45
36) 1,1-Dichloropropene	7.66	75	30516	5.865	ug/l #	51
38) Carbon Tetrachloride	7.66	117	34882	7.297	ug/l #	15
41) Methacrylonitrile	7.17	41	63	3.723	ug/l #	100
43) Isopropyl Acetate	8.21	43	4275	0.587	ug/l #	67
76) 1,2,3-Trichloropropane	12.40	75	115111	50.659	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	115111	164.306	ug/l #	5
93) 1,2,4-Trichlorobenzene	14.91	180	1079	2.771	ug/l #	55
94) Hexachlorobutadiene	15.00	225	939	0.952	ug/l	78
95) Naphthalene	15.14	128	2967	3.198	ug/l #	85
96) 1,2,3-Trichlorobenzene	15.32	180	1014	0.619	ug/l	85

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



#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Instrument :

MSVOA_N

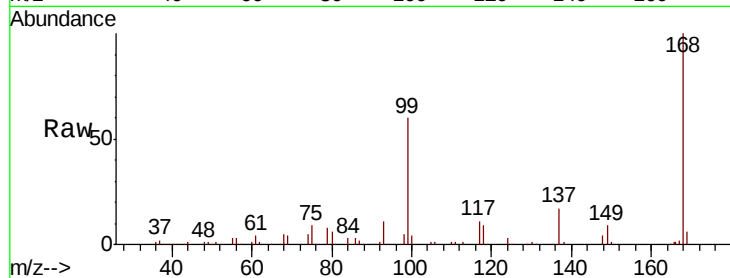
ClientSampled :

Tot Ion:168 Resp: 315256

Ion Ratio Lower Upper

168 100

99 60.1 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

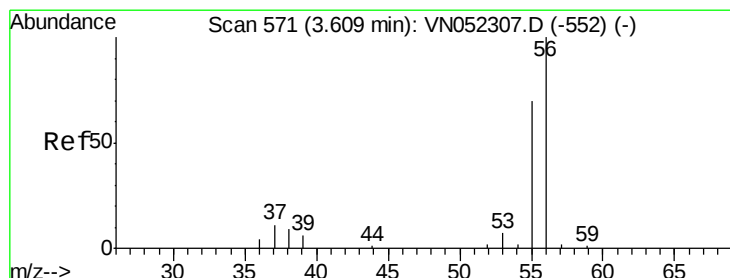
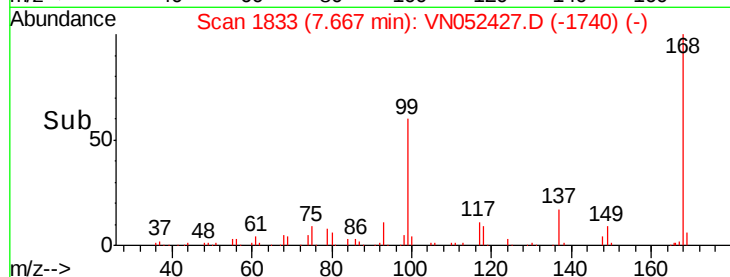
150000

100000

50000

0

Time-->



#13

Acrolein

Concen: 22.476 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052427.D

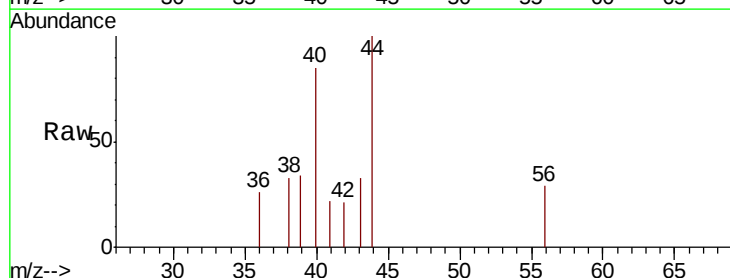
Acq: 21 Nov 2018 10:16

Tgt Ion: 56 Resp: 274

Ion Ratio Lower Upper

56 100

55 0.0 57.6 86.4#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.60

200

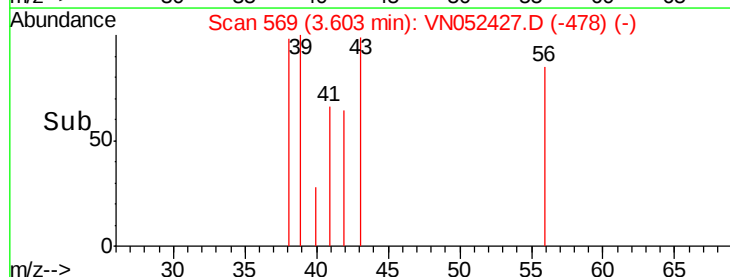
150

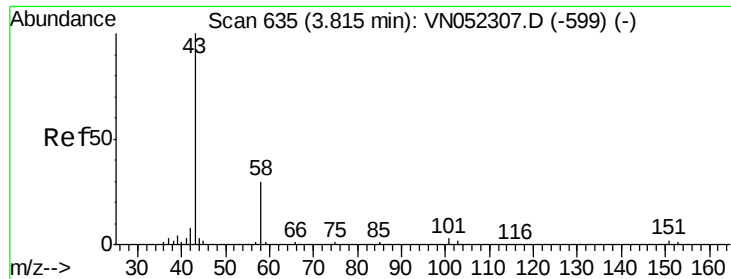
100

50

0

Time-->





#16

Acetone

Concen: 0.493 ug/l

RT: 3.81 min Scan# 635

Delta R.T. -0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Instrument :

MSVOA_N

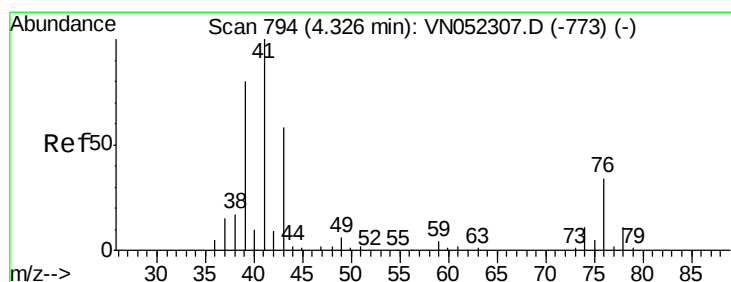
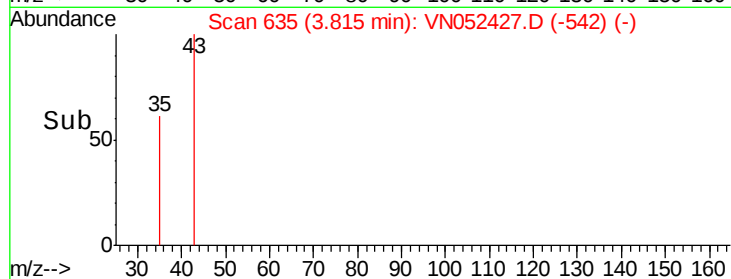
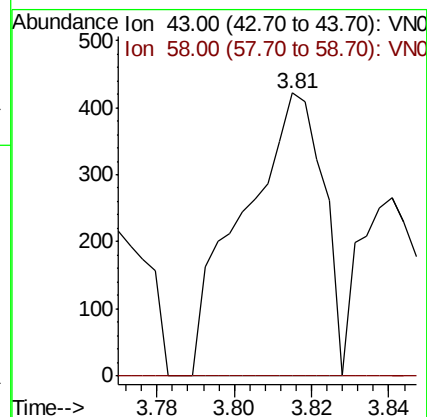
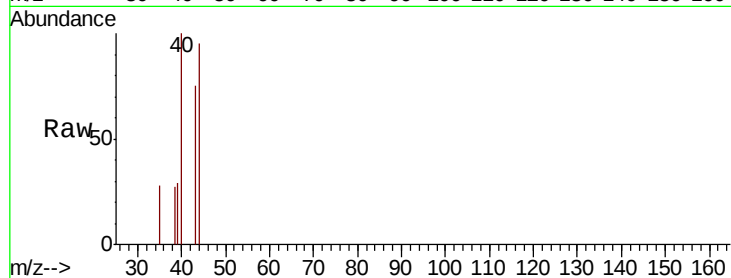
ClientSampled :

Tot Ion: 43 Resp: 605

Ion Ratio Lower Upper

43 100

58 0.0 24.2 36.4#



#18

Methyl Acetate

Concen: 0.691 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052427.D

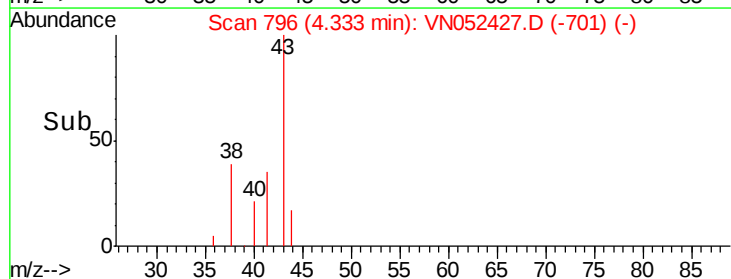
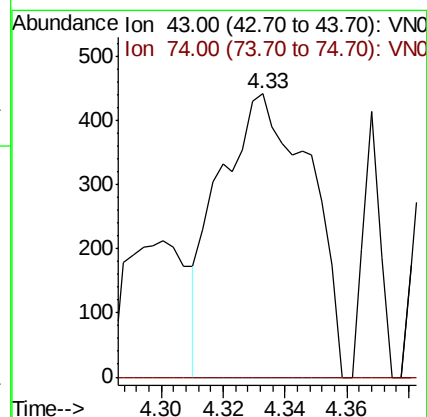
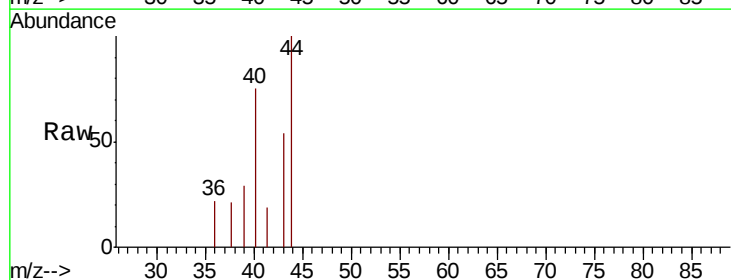
Acq: 21 Nov 2018 10:16

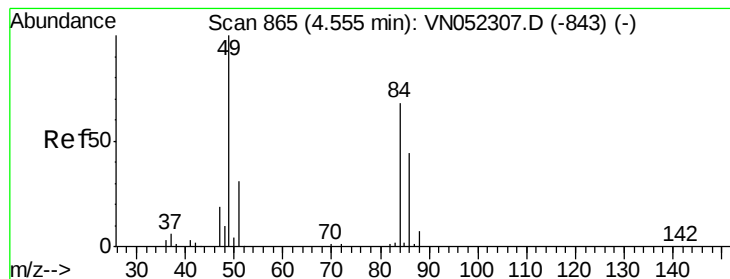
Tgt Ion: 43 Resp: 897

Ion Ratio Lower Upper

43 100

74 0.0 15.9 23.9#





#20

Methvlene Chloride

Concen: Below Cal

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 84 Resp: 718

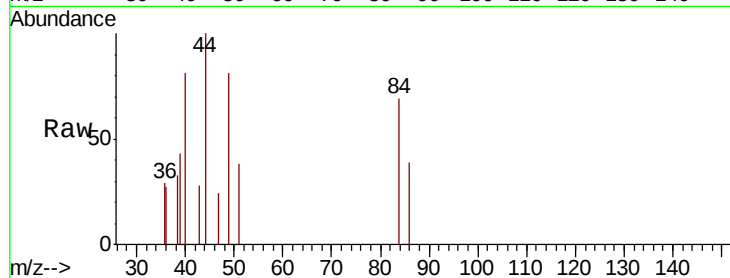
Ion Ratio Lower Upper

84 100

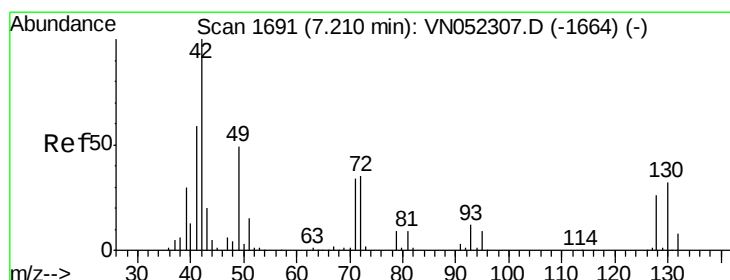
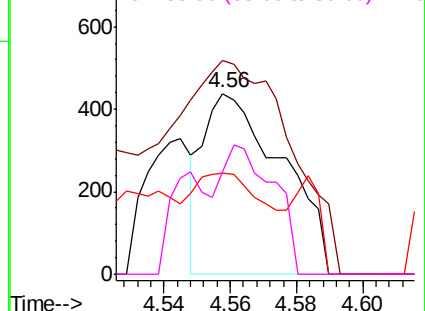
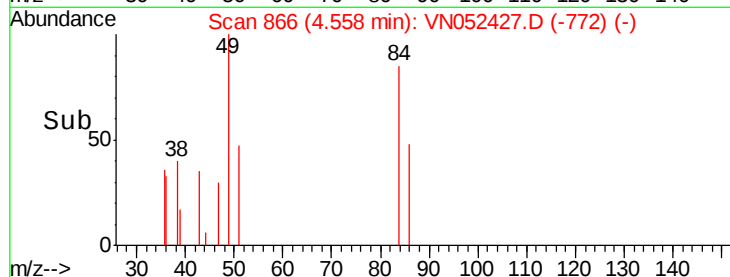
49 118.3 118.2 177.2

51 56.2 36.1 54.1#

86 56.8 51.6 77.4



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



#29

Tetrahydrofuran

Concen: 0.291 ug/l

RT: 7.21 min Scan# 1690

Delta R.T. -0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

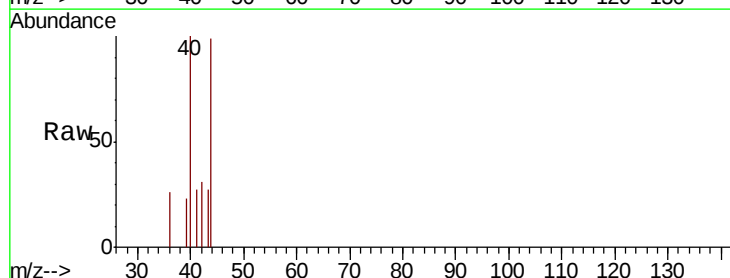
Tgt Ion: 42 Resp: 330

Ion Ratio Lower Upper

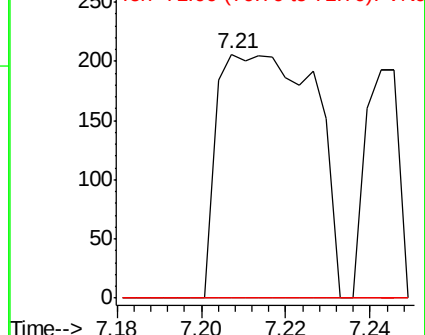
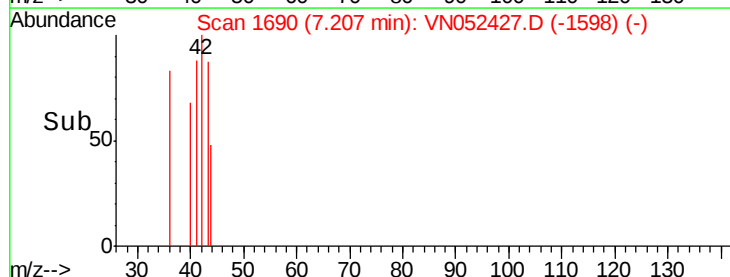
42 100

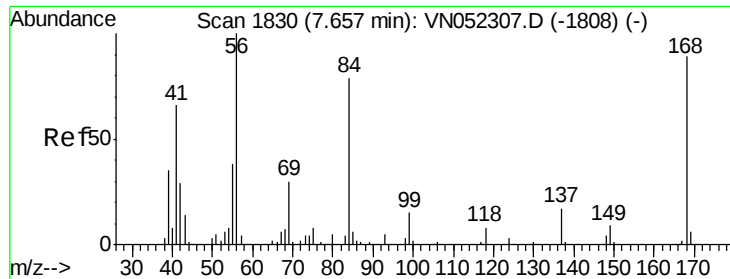
72 0.0 28.6 42.8#

71 0.0 26.7 40.1#



Abundance Ion 42.00 (41.70 to 42.70): VNC
Ion 72.00 (71.70 to 72.70): VNC
Ion 71.00 (70.70 to 71.70): VNC

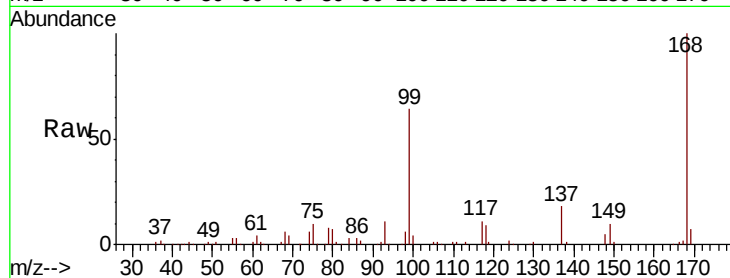




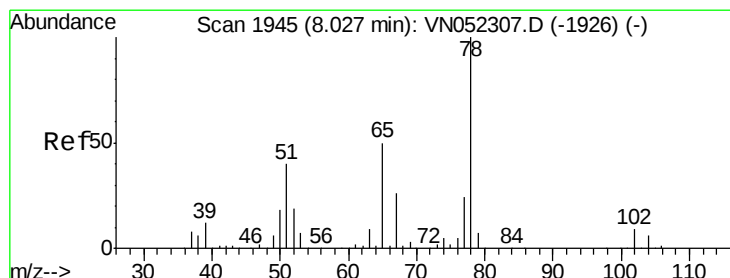
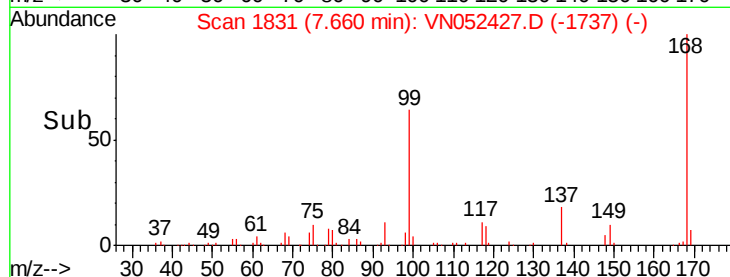
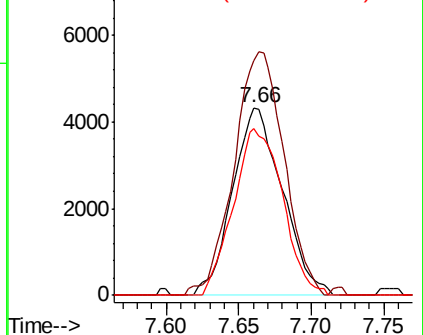
#31
Cyclohexane
Concen: 0.483 ug/l
RT: 7.66 min Scan# 1831
Delta R.T. 0.00 min
Lab File: VN052427.D
Acq: 21 Nov 2018 10:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 56 Resp: 10377
Ion Ratio Lower Upper
56 100
69 121.5 23.8 35.8#
84 88.9 63.0 94.6

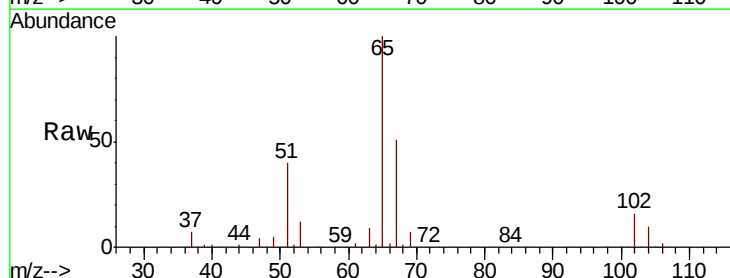


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

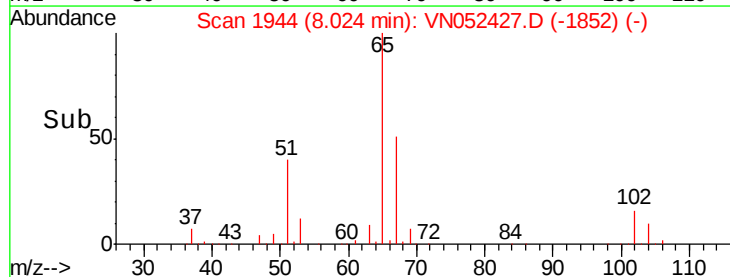
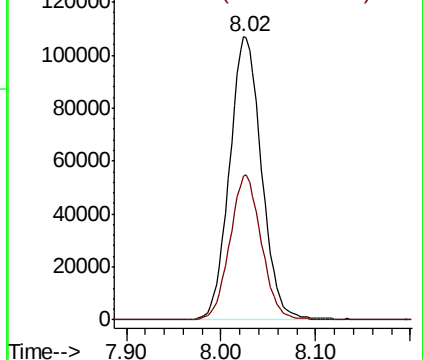


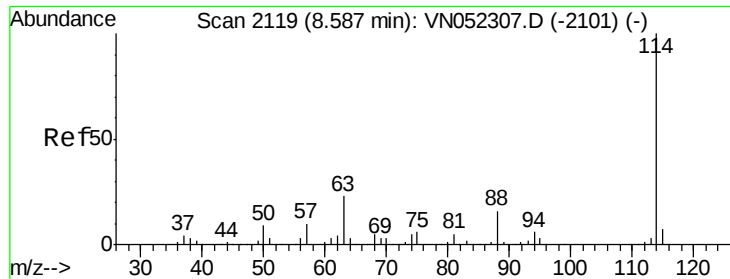
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.02 min Scan# 1944
Delta R.T. -0.00 min
Lab File: VN052427.D
Acq: 21 Nov 2018 10:16

Tgt Ion: 65 Resp: 251475
Ion Ratio Lower Upper
65 100
67 50.4 0.0 105.2



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

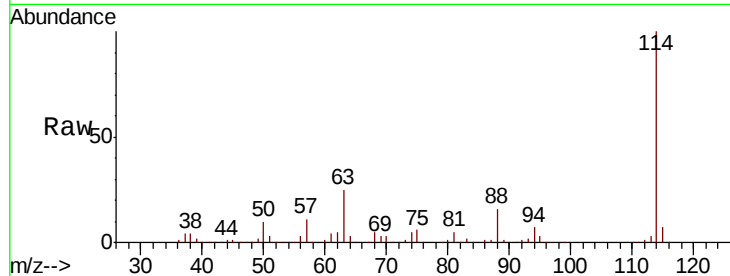




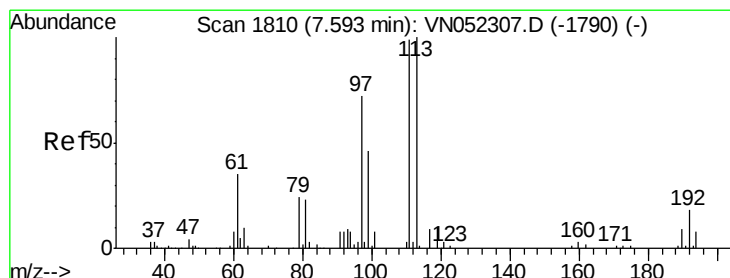
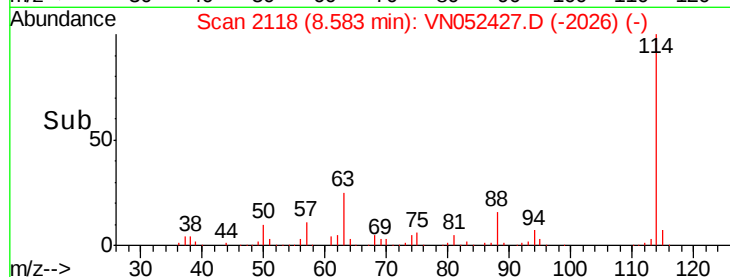
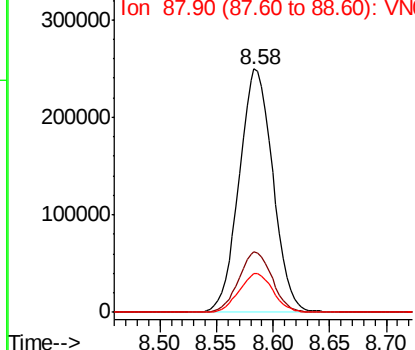
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN052427.D
 Acq: 21 Nov 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 519095
 Ion Ratio Lower Upper
 114 100
 63 24.8 0.0 45.4
 88 15.9 0.0 31.2

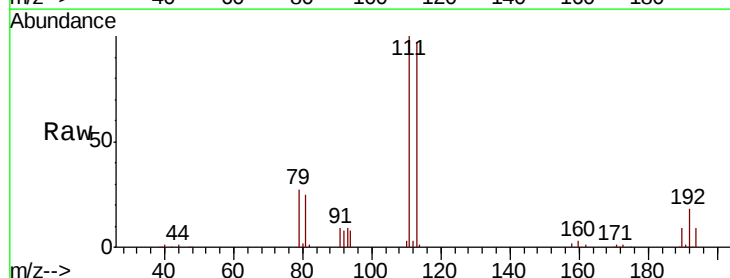


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

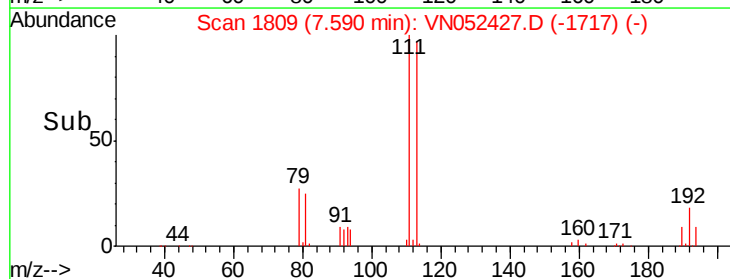
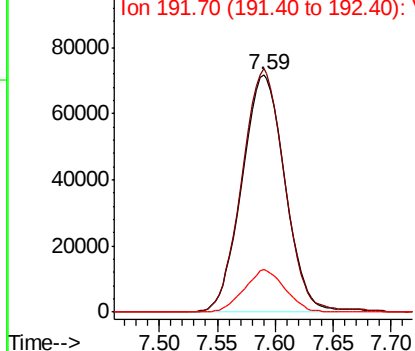


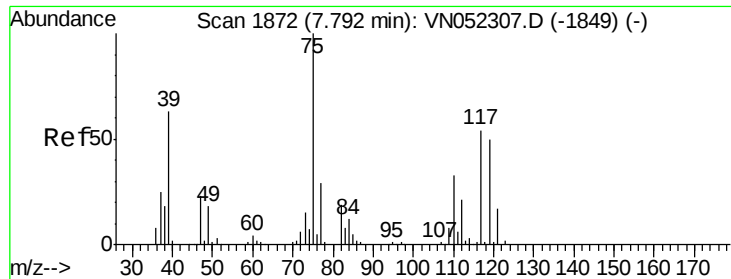
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052427.D
 Acq: 21 Nov 2018 10:16

Tgt Ion:113 Resp: 184989
 Ion Ratio Lower Upper
 113 100
 111 101.9 81.0 121.6
 192 17.2 13.8 20.6



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

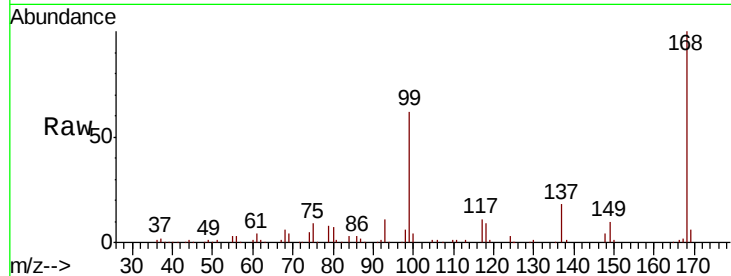




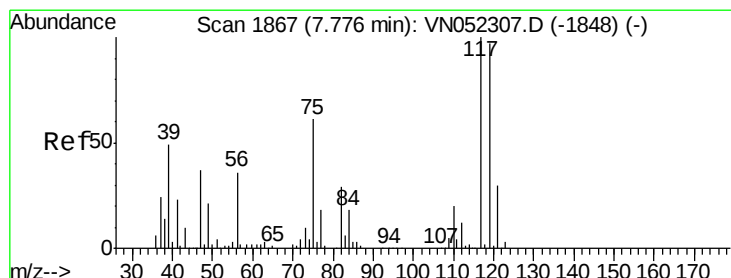
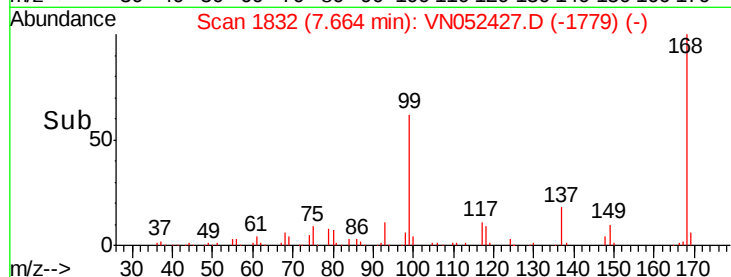
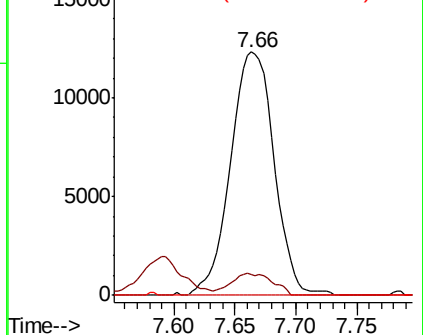
#36
 1,1-Dichloropropene
 Concen: 5.865 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.13 min
 Lab File: VN052427.D
 Acq: 21 Nov 2018 10:16

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
75	100		
110	8.6	16.5	49.5#
77	0.0	24.2	36.2#

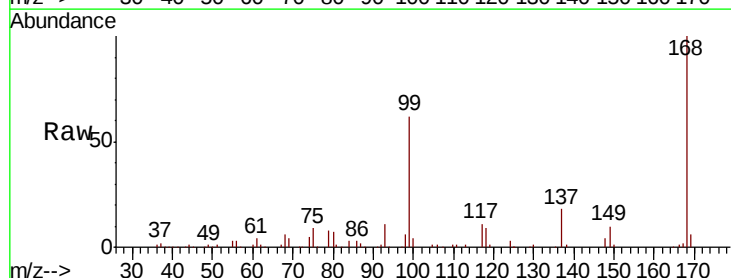


Abundance Ion 74.90 (74.60 to 75.60): VN052307.D (-1849) (-)
 Ion 109.90 (109.60 to 110.60): VN052307.D (-1849) (-)
 Ion 76.90 (76.60 to 77.60): VN052307.D (-1849) (-)

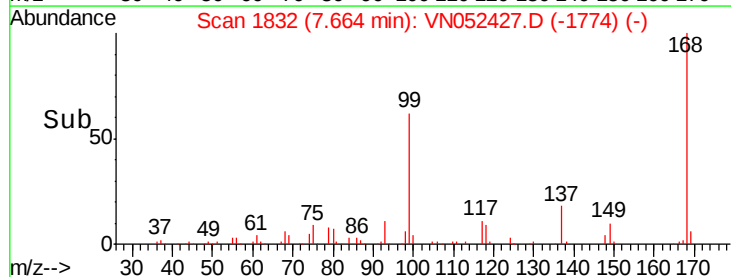
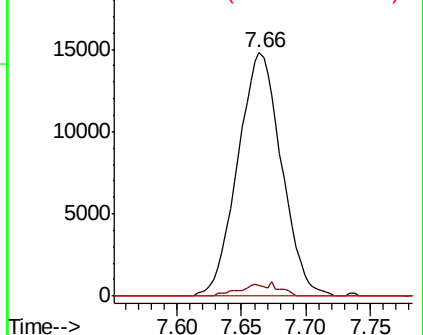


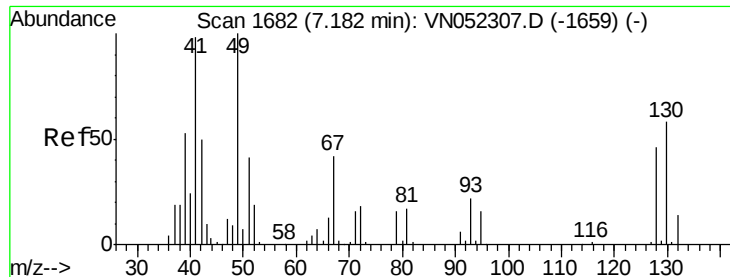
#38
 Carbon Tetrachloride
 Concen: 7.297 ug/l
 RT: 7.66 min Scan# 1832
 Delta R.T. -0.11 min
 Lab File: VN052427.D
 Acq: 21 Nov 2018 10:16

Tgt Ion	Ratio	Lower	Upper
117	100		
119	4.6	77.4	116.0#
121	0.0	24.0	36.0#



Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)
 Ion 118.80 (118.50 to 119.50): VN052307.D (-1848) (-)
 Ion 120.80 (120.50 to 121.50): VN052307.D (-1848) (-)





#41

Methacrylonitrile

Concen: 3.723 ug/l

RT: 7.17 min Scan# 1679

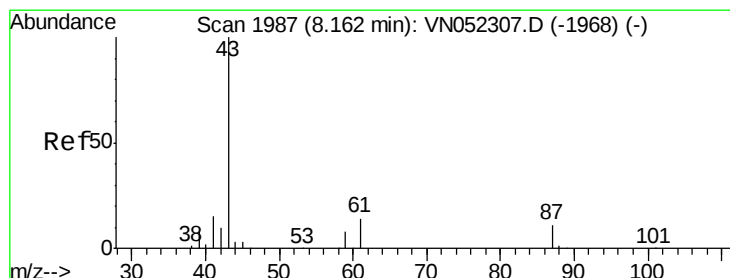
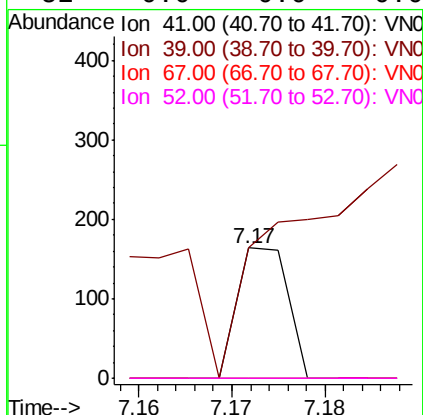
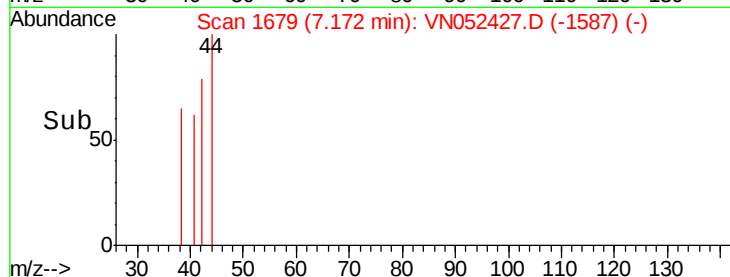
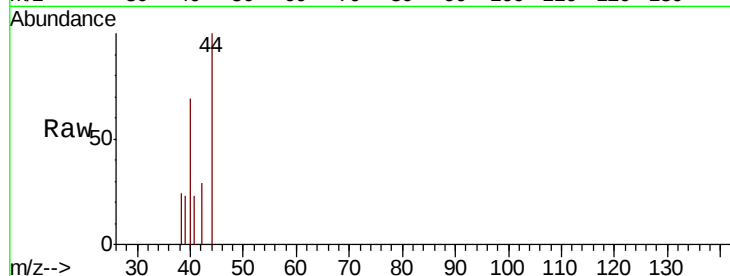
Delta R.T. -0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	63
Ion	Ratio	Lower	Upper
41	100		
39	517.5	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43

Isopropyl Acetate

Concen: 0.587 ug/l

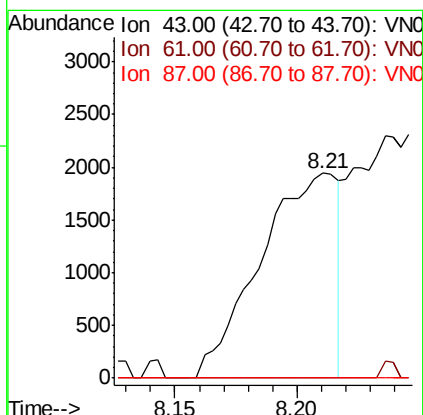
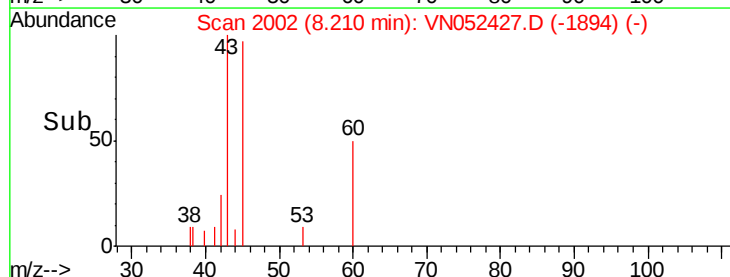
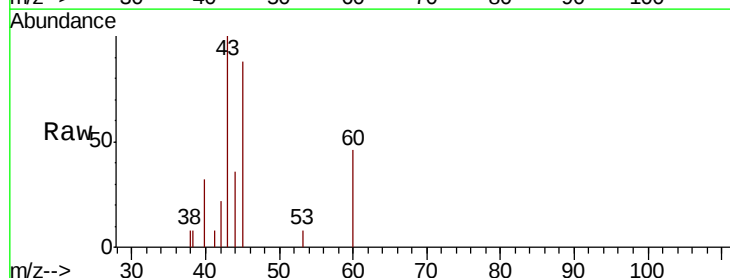
RT: 8.21 min Scan# 2002

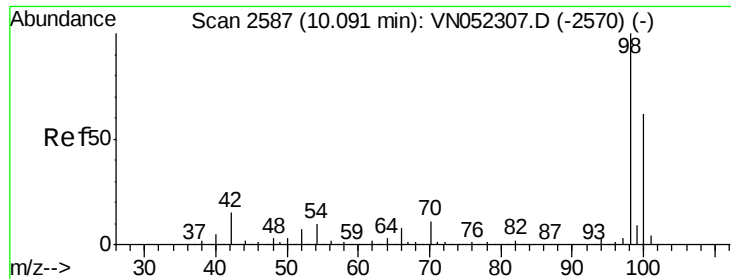
Delta R.T. 0.05 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Tgt Ion:	43	Resp:	4275
Ion	Ratio	Lower	Upper
43	100		
61	0.0	12.0	18.0#
87	0.0	8.3	12.5#





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Instrument :

MSVOA_N

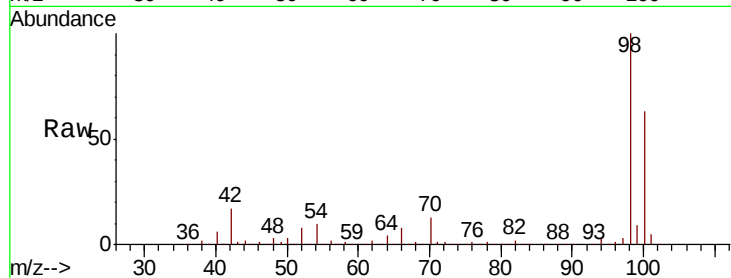
ClientSampled :

Tot Ion: 98 Resp: 704021

Ion Ratio Lower Upper

98 100

100 62.7 49.5 74.3



Abundance Ion 98.00 (97.70 to 98.70): VN052307.D (-2570) (-)

Ion 100.00 (99.70 to 100.70): VN052307.D (-2570) (-)

10.09

400000

300000

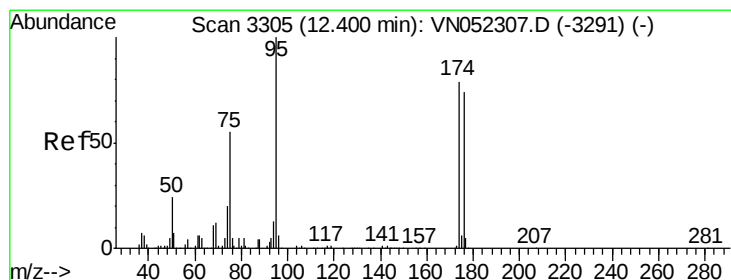
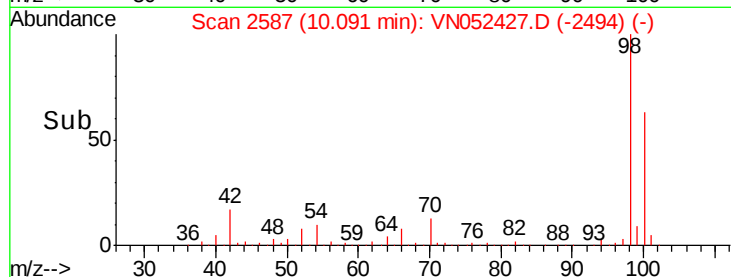
200000

100000

0

Time-->

10.00 10.10



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

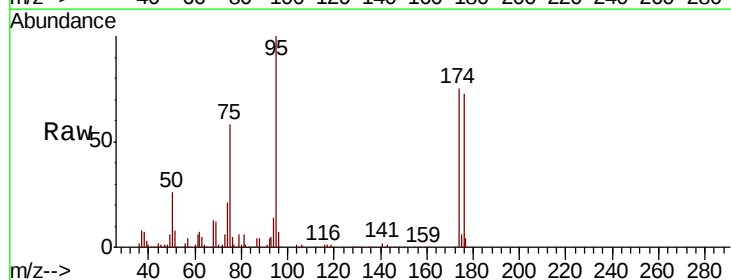
Tgt Ion: 95 Resp: 198202

Ion Ratio Lower Upper

95 100

174 74.5 0.0 156.0

176 71.4 0.0 148.4



Abundance Ion 94.90 (94.60 to 95.60): VN052307.D (-3291) (-)

Ion 173.80 (173.50 to 174.50): VN052307.D (-3291) (-)

Ion 175.80 (175.50 to 176.50): VN052307.D (-3291) (-)

12.40

150000

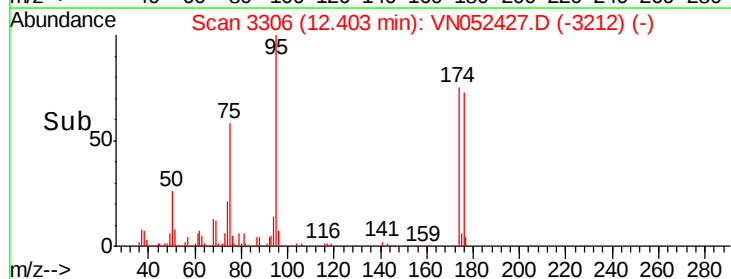
100000

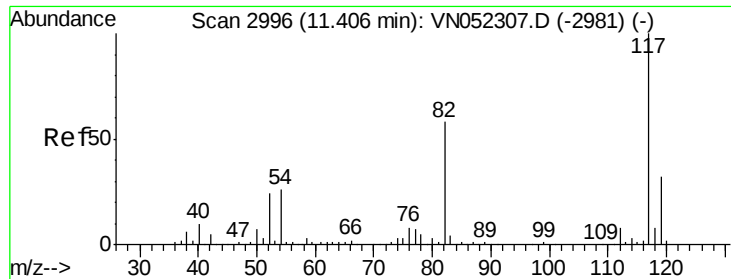
50000

0

Time-->

12.30 12.40 12.50

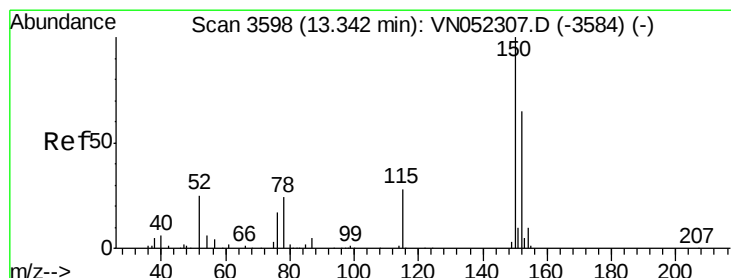
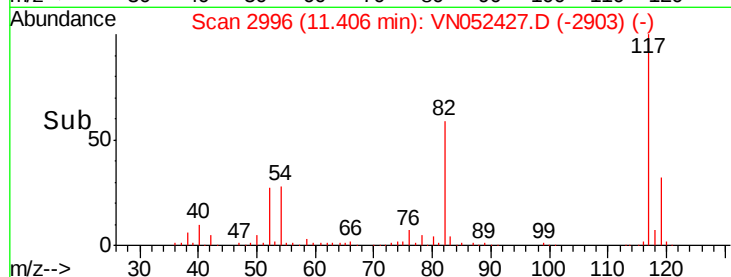
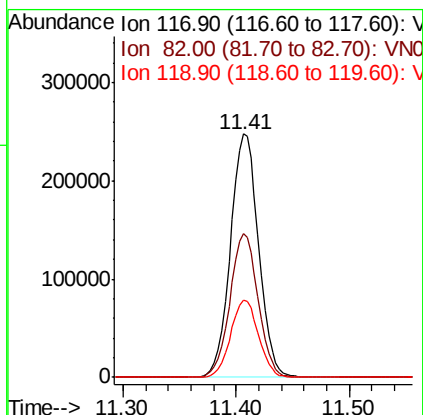
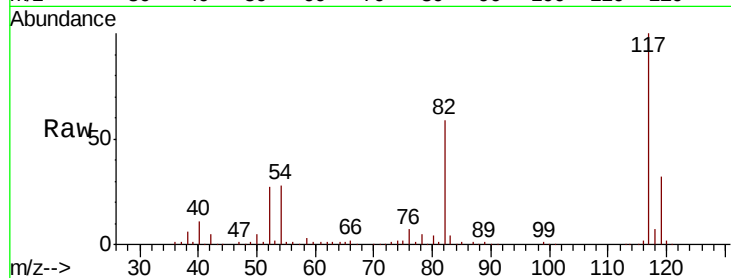




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052427.D
Acq: 21 Nov 2018 10:16

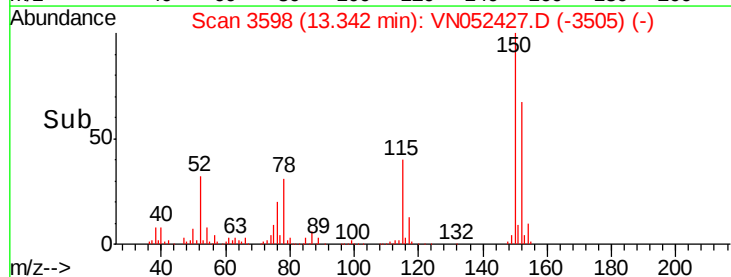
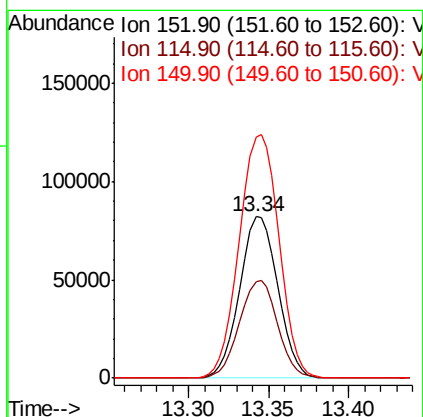
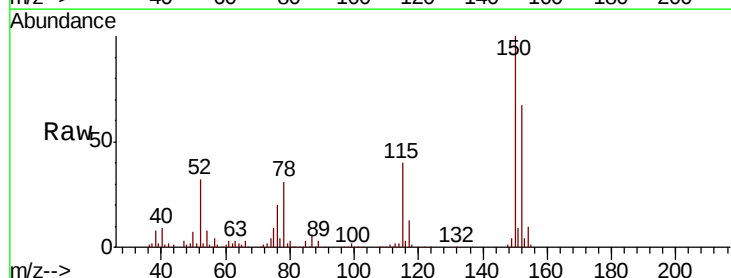
Instrument :
MSVOA_N
ClientSampled :

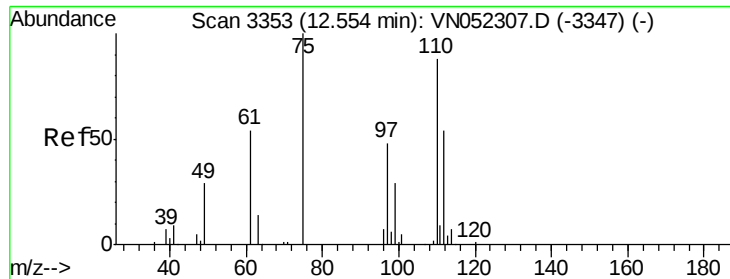
Tot Ion:117 Resp: 426935
Ion Ratio Lower Upper
117 100
82 59.2 46.5 69.7
119 31.5 25.7 38.5



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN052427.D
Acq: 21 Nov 2018 10:16

Tgt Ion:152 Resp: 133915
Ion Ratio Lower Upper
152 100
115 60.2 30.3 91.0
150 156.7 0.0 348.2





#76

1,2,3-Trichloropropane

Concen: 50.659 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

Instrument :

MSVOA_N

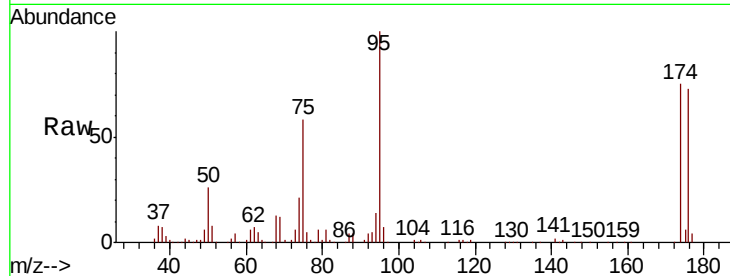
ClientSampleId :

Tot Ion: 75 Resp: 115111

Ion Ratio Lower Upper

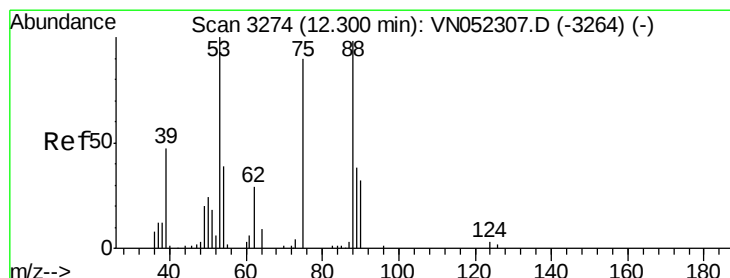
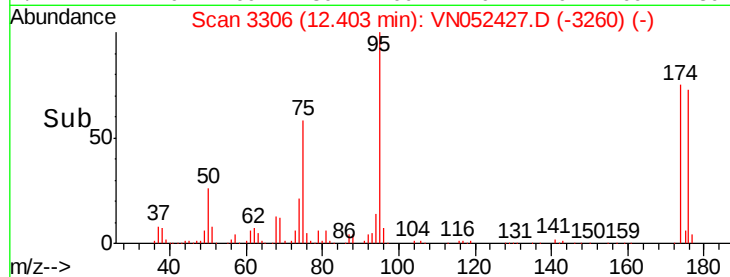
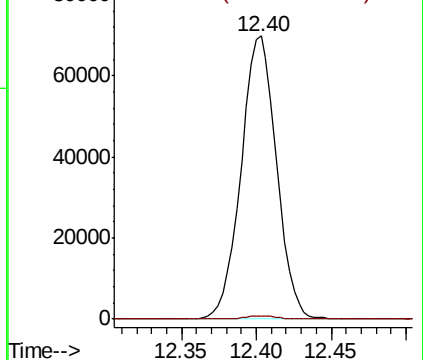
75 100

77 1.0 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: 164.306 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN052427.D

Acq: 21 Nov 2018 10:16

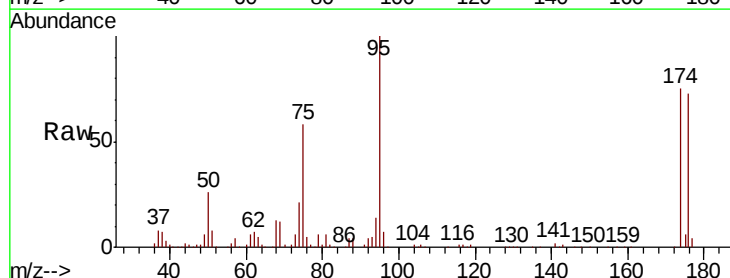
Tgt Ion: 75 Resp: 115111

Ion Ratio Lower Upper

75 100

53 0.1 90.2 135.2#

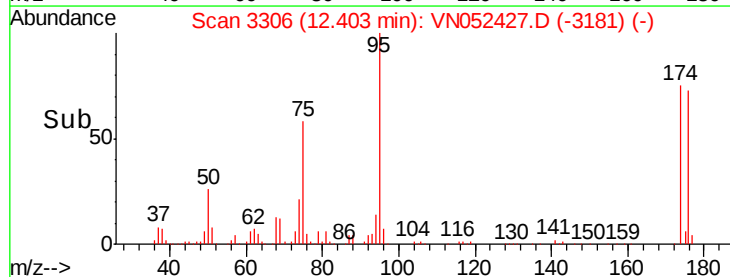
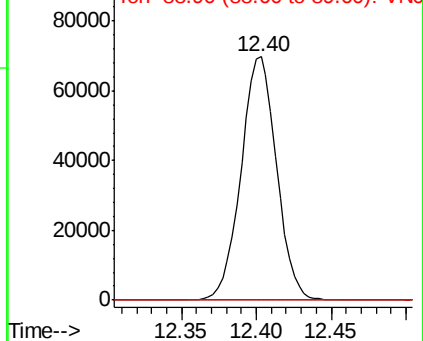
89 0.0 35.4 53.0#

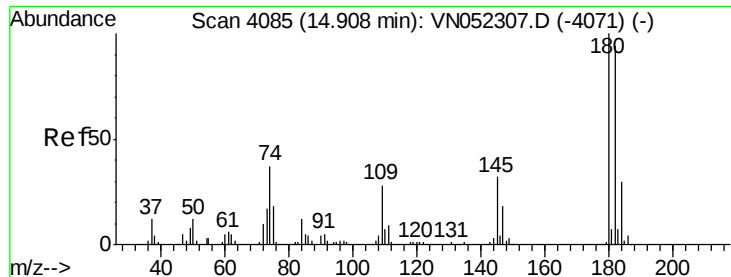


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

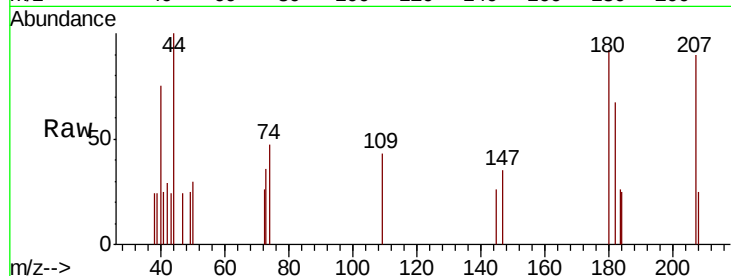




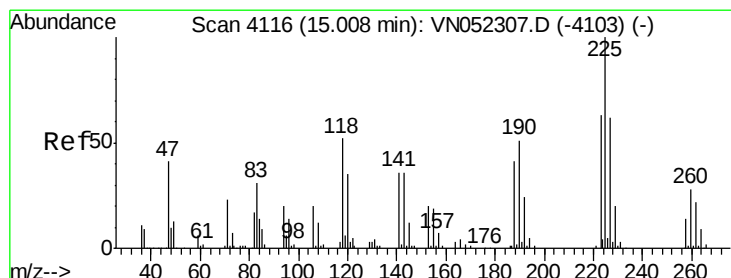
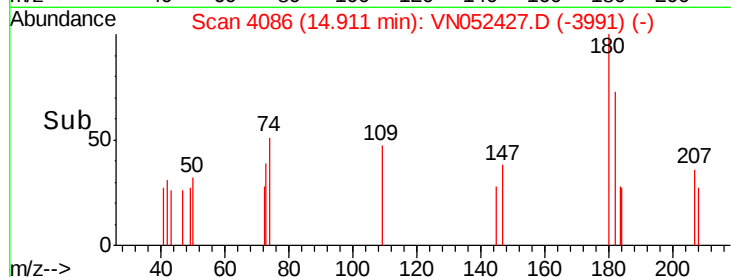
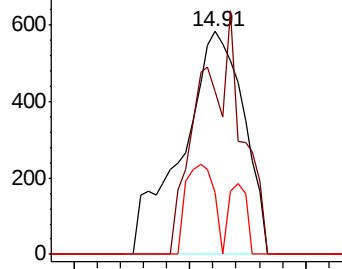
#93
 1,2,4-Trichlorobenzene
 Concen: 2.771 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052427.D
 Acq: 21 Nov 2018 10:16

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion:180 Resp: 1079
 Ion Ratio Lower Upper
 180 100
 182 44.6 47.6 142.9#
 145 18.5 15.5 46.5

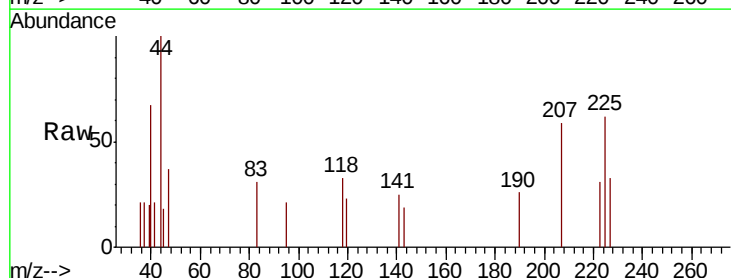


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

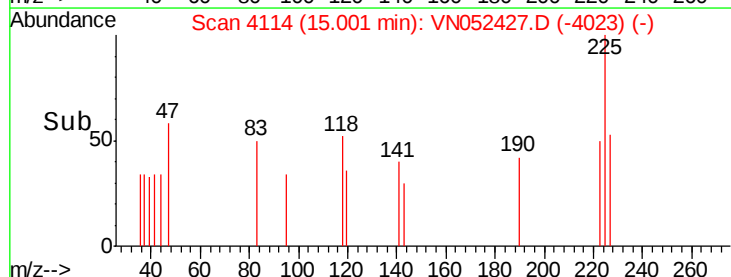
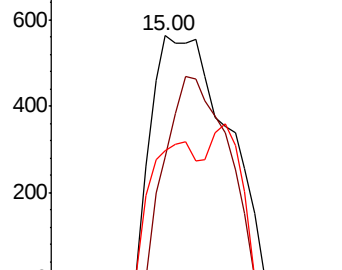


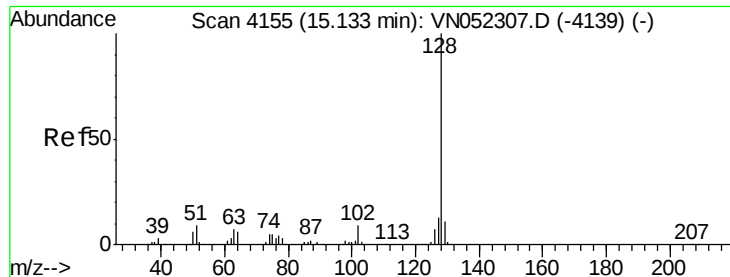
#94
 Hexachlorobutadiene
 Concen: 0.952 ug/l
 RT: 15.00 min Scan# 4114
 Delta R.T. -0.01 min
 Lab File: VN052427.D
 Acq: 21 Nov 2018 10:16

Tgt Ion:225 Resp: 939
 Ion Ratio Lower Upper
 225 100
 223 68.4 31.9 95.5
 227 34.2 31.6 95.0



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V

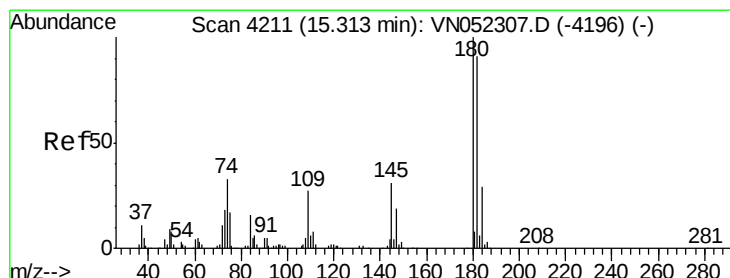
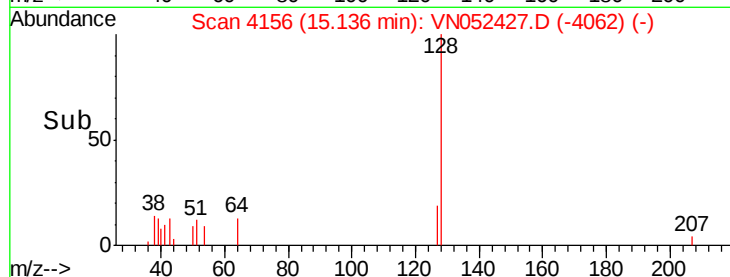
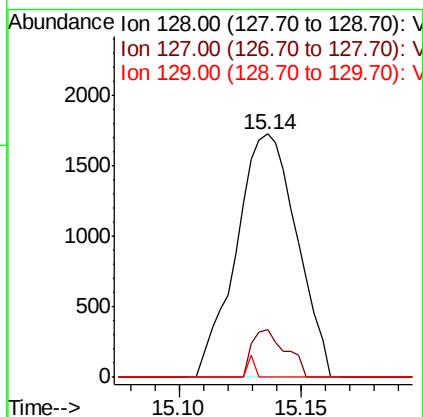
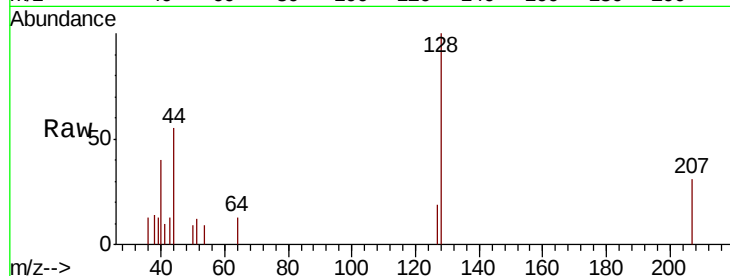




#95
Naphthalene
Concen: 3.198 ug/l
RT: 15.14 min Scan# 4156
Delta R.T. 0.00 min
Lab File: VN052427.D
Acq: 21 Nov 2018 10:16

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:128 Resp: 2967
Ion Ratio Lower Upper
128 100
127 10.9 10.4 15.6
129 1.0 8.6 13.0#



#96
1,2,3-Trichlorobenzene
Concen: 0.619 ug/l
RT: 15.32 min Scan# 4213
Delta R.T. 0.01 min
Lab File: VN052427.D
Acq: 21 Nov 2018 10:16

Tgt Ion:180 Resp: 1014
Ion Ratio Lower Upper
180 100
182 107.6 46.5 139.3
145 25.3 16.4 49.2

