

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN103118\
 Data File : VN052085.D
 Acq On : 31 Oct 2018 20:19
 Operator : MD\SY
 Sample : J5202-12
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 21 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 01 01:44:50 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N103018W.M
 Quant Title : SW846 8260
 QLast Update : Wed Oct 31 02:45:22 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	289456	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	535758	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	503290	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	203569	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	245960	52.95	ug/l	0.00
Spiked Amount	50.000		Recovery	=	105.90%	
35) Dibromofluoromethane	7.59	113	205664	61.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	122.72%	
50) Toluene-d8	10.09	98	806082	60.17	ug/l	0.00
Spiked Amount	50.000		Recovery	=	120.34%	
62) 4-Bromofluorobenzene	12.40	95	274496	55.82	ug/l	0.00
Spiked Amount	50.000		Recovery	=	111.64%	

Target Compounds

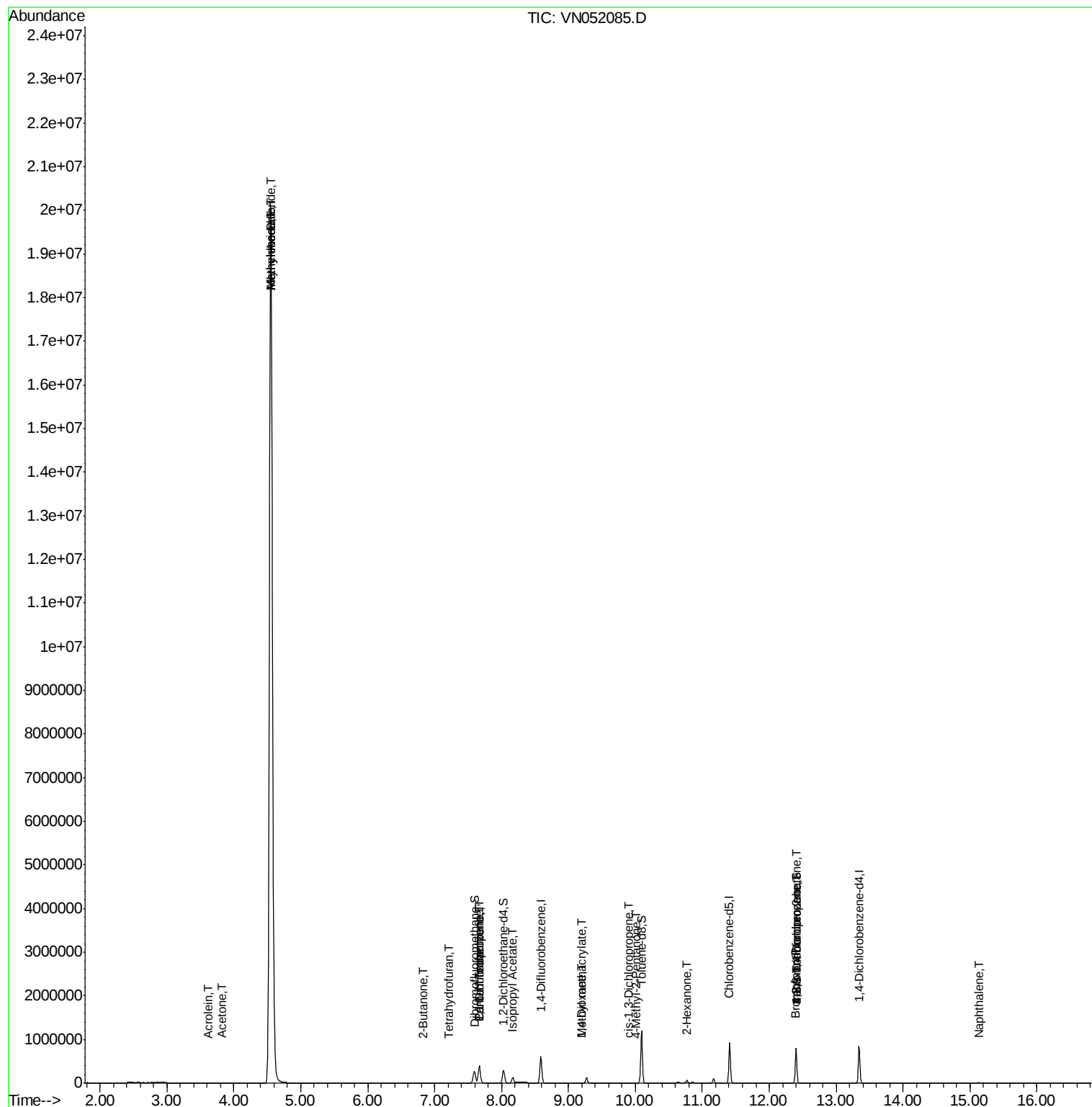
					Qvalue	
13) Acrolein	3.62	56	82	24.355	ug/l #	12
14) Allyl chloride	4.55	41	580729	95.562	ug/l #	23
16) Acetone	3.82	43	11724	11.825	ug/l	90
18) Methyl Acetate	4.55	43	67107	21.261	ug/l	92
20) Methylene Chloride	4.55	84	14127381	3739.458	ug/l	99
25) 2-Butanone	6.83	43	678	0.436	ug/l #	50
29) Tetrahydrofuran	7.21	42	332	0.320	ug/l #	43
31) Cyclohexane	7.66	56	8018	Below Cal	#	5
36) 1,1-Dichloropropene	7.67	75	26927	4.943	ug/l #	50
38) Carbon Tetrachloride	7.67	117	30079	6.404	ug/l #	19
43) Isopropyl Acetate	8.17	43	164103	25.304	ug/l	97
48) Methyl methacrylate	9.18	41	4693	1.427	ug/l #	22
49) 1,4-Dioxane	9.20	88	35	26.299	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1610	0.457	ug/l #	73
54) cis-1,3-Dichloropropene	9.90	75	1272	0.207	ug/l #	42
59) 2-Hexanone	10.77	43	10290	4.096	ug/l #	60
71) Bromoform	12.38	173	152	2.246	ug/l #	29
76) 1,2,3-Trichloropropane	12.40	75	141742	38.037	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	141742	126.251	ug/l #	9
95) Naphthalene	15.13	128	4747	0.814	ug/l #	92

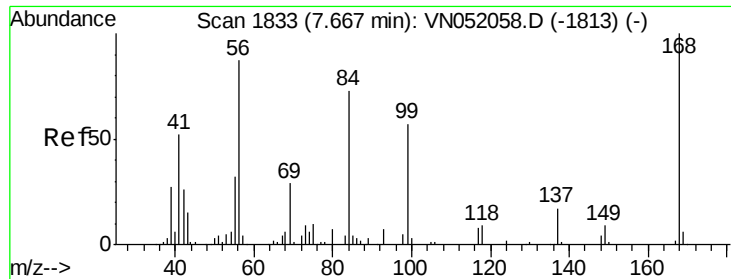
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Wed Oct 31 02:45:22 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. 0.00 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

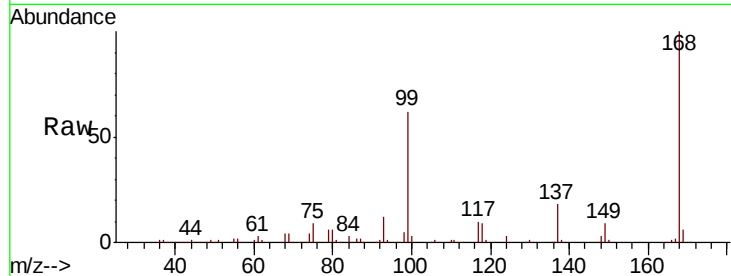
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 289456

Ion Ratio Lower Upper

168 100

99 61.9 56.6 85.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

150000

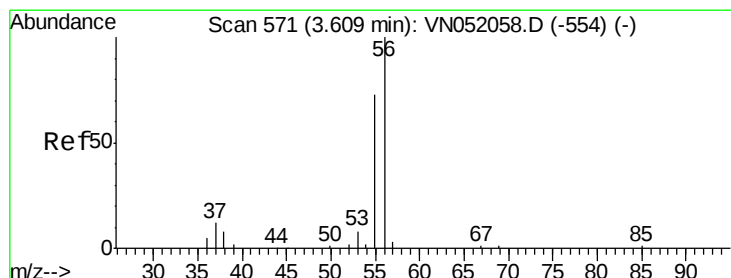
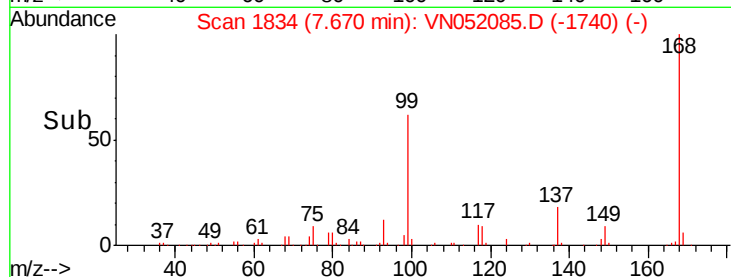
100000

50000

0

7.55 7.60 7.65 7.70 7.75

Time-->



#13

Acrolein

Concen: 24.355 ug/l

RT: 3.62 min Scan# 574

Delta R.T. 0.01 min

Lab File: VN052085.D

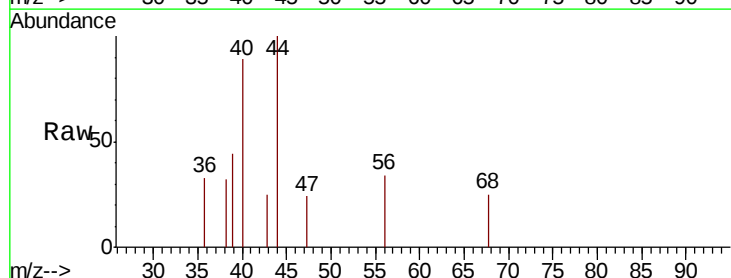
Acq: 31 Oct 2018 20:19

Tgt Ion: 56 Resp: 82

Ion Ratio Lower Upper

56 100

55 0.0 59.9 89.9#



Abundance Ion 56.00 (55.70 to 56.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

3.62

250

200

150

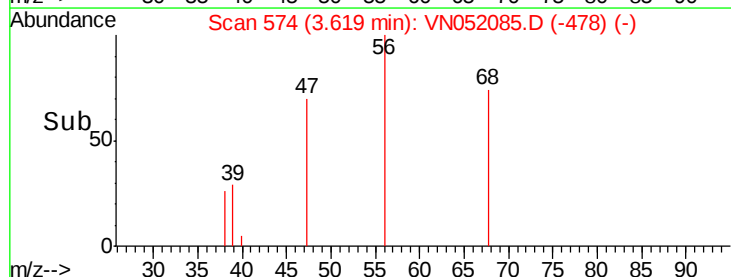
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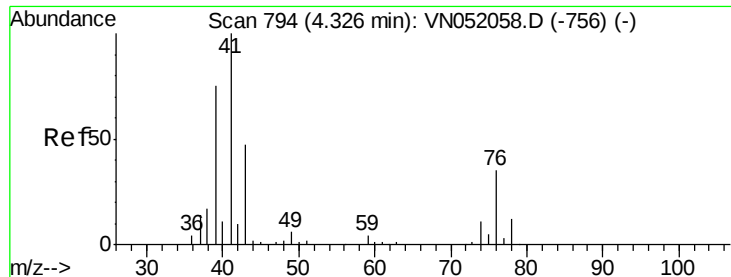
50

0

3.61 3.62 3.63

Time-->

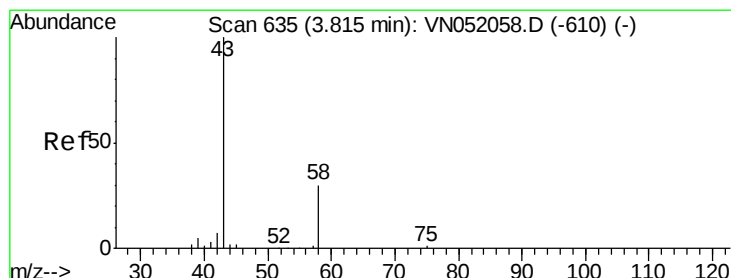
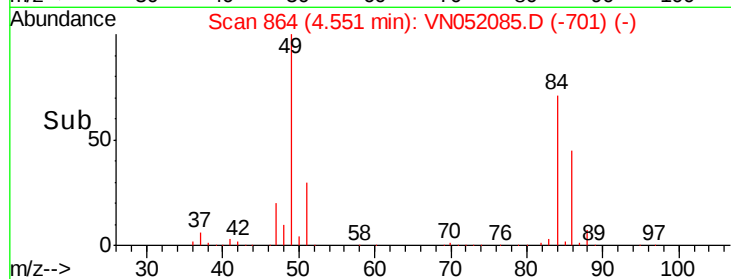
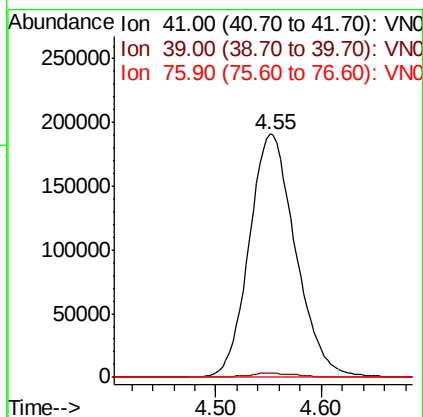
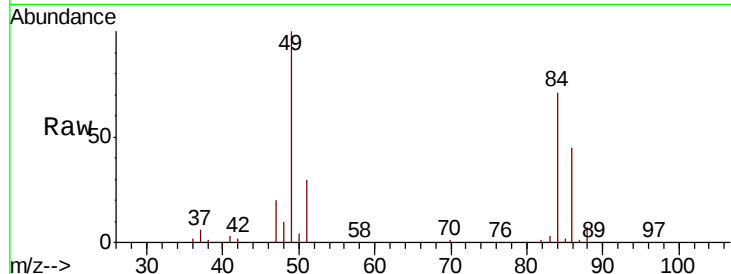




#14
Allvl chloride
Concen: 95.562 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.23 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

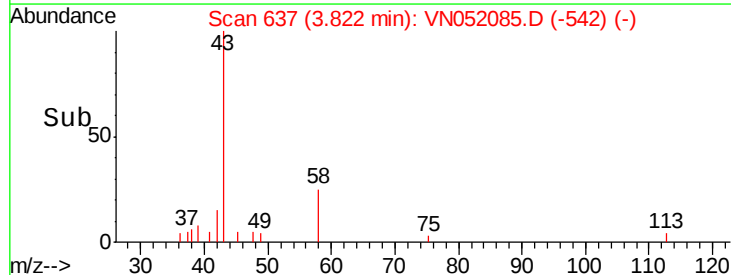
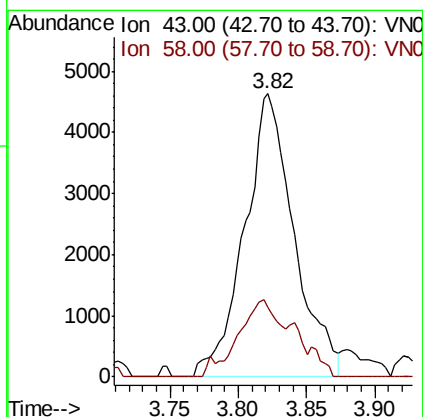
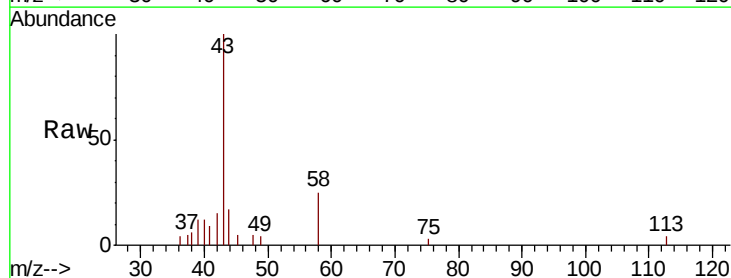
Instrument :
MSVOA_N
ClientSampled :

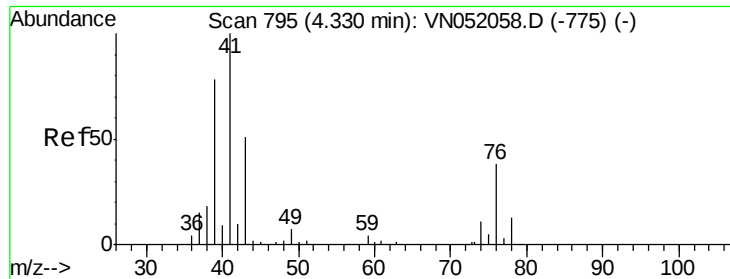
Tot Ion: 41 Resp: 580729
Ion Ratio Lower Upper
41 100
39 1.5 58.1 87.1#
76 0.0 26.0 39.0#



#16
Acetone
Concen: 11.825 ug/l
RT: 3.82 min Scan# 637
Delta R.T. 0.01 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 43 Resp: 11724
Ion Ratio Lower Upper
43 100
58 24.6 24.2 36.2

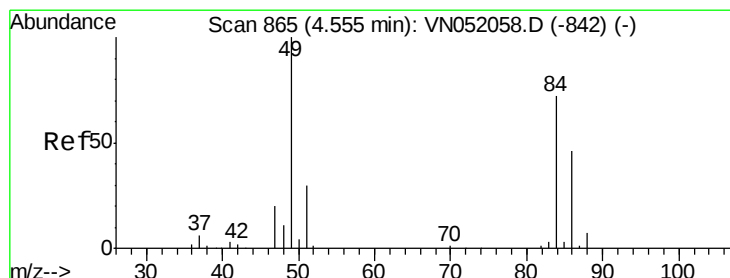
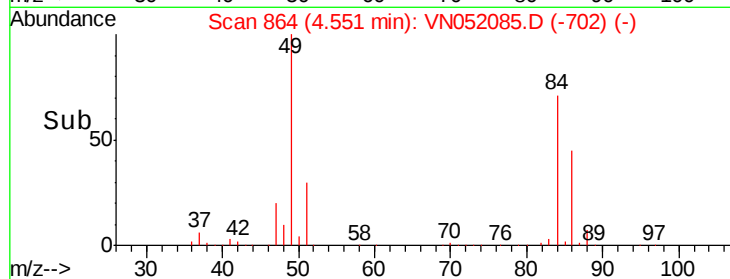
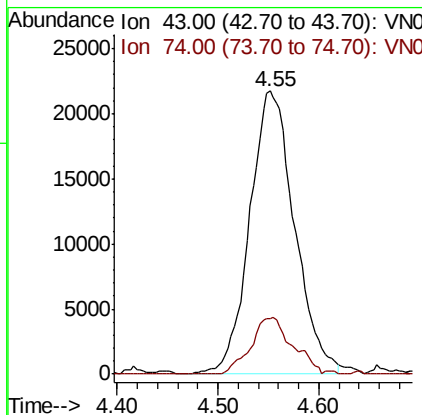
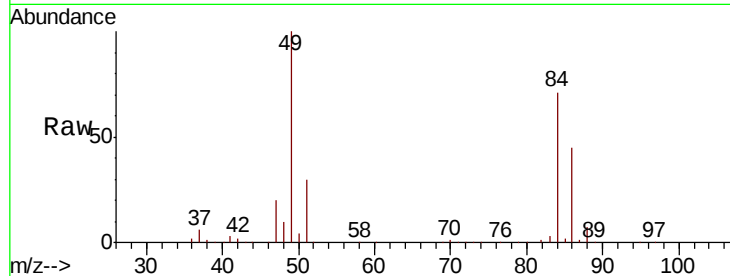




#18
Methyl Acetate
Concen: 21.261 ug/l
RT: 4.55 min Scan# 864
Delta R.T. 0.22 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

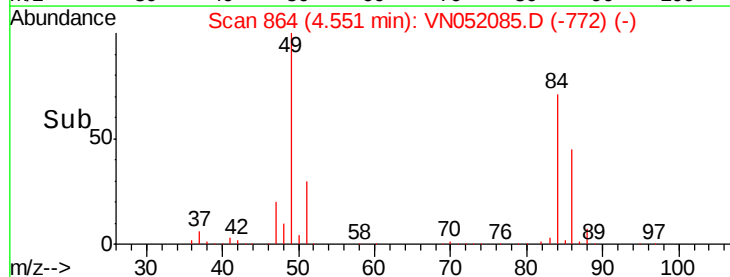
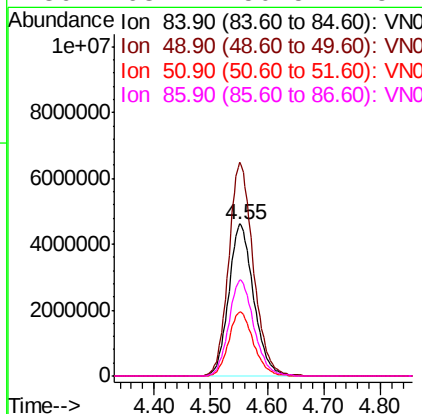
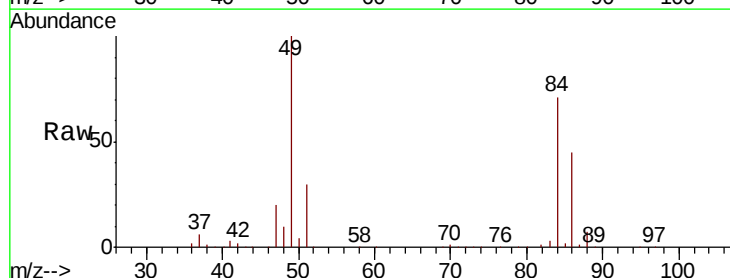
Instrument :
MSVOA_N
ClientSampled :

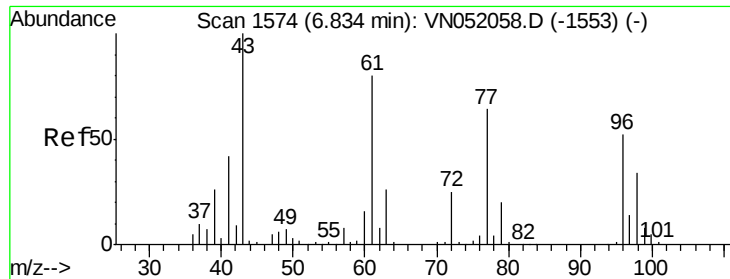
Tot Ion: 43 Resp: 67107
Ion Ratio Lower Upper
43 100
74 18.4 17.9 26.9



#20
Methylene Chloride
Concen: 3739.458 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 84 Resp:14127381
Ion Ratio Lower Upper
84 100
49 140.7 110.6 165.8
51 42.5 33.7 50.5
86 63.4 50.5 75.7

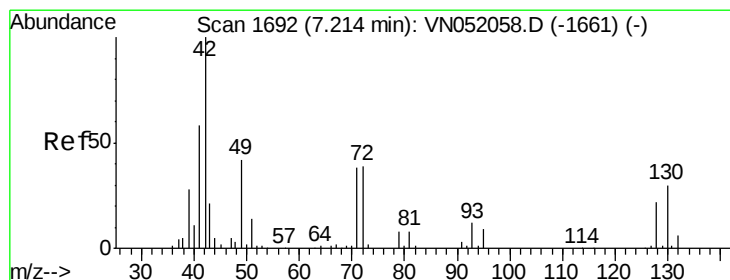
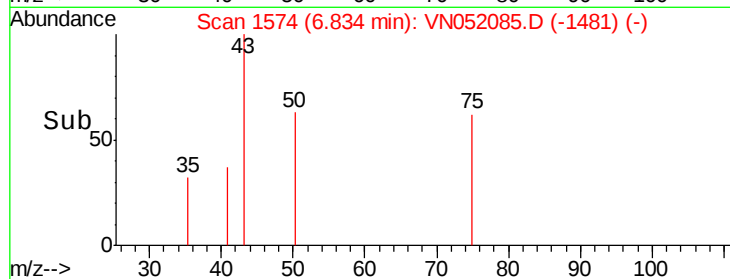
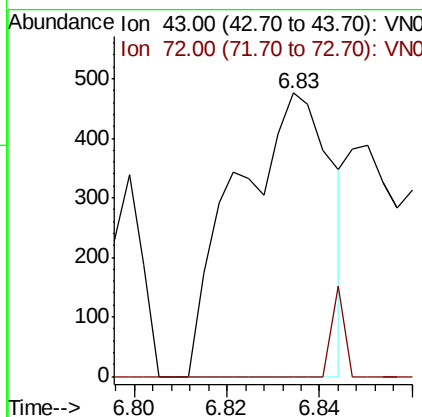
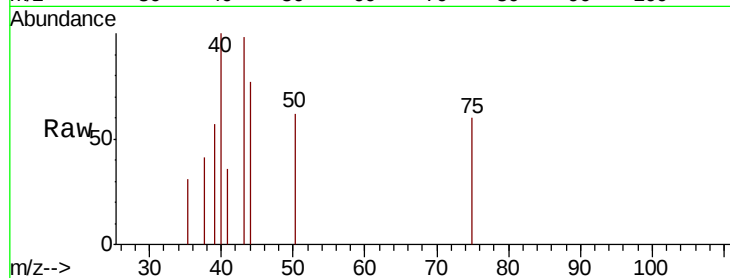




#25
 2-Butanone
 Concen: 0.436 ug/l
 RT: 6.83 min Scan# 1574
 Delta R.T. 0.00 min
 Lab File: VN052085.D
 Acq: 31 Oct 2018 20:19

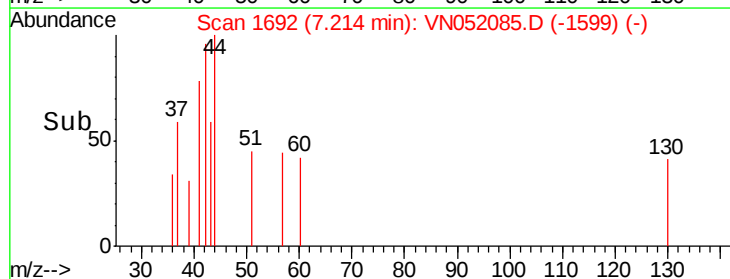
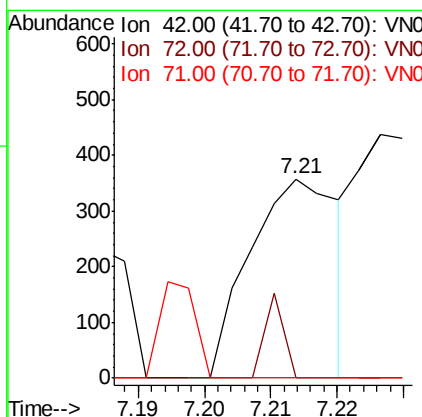
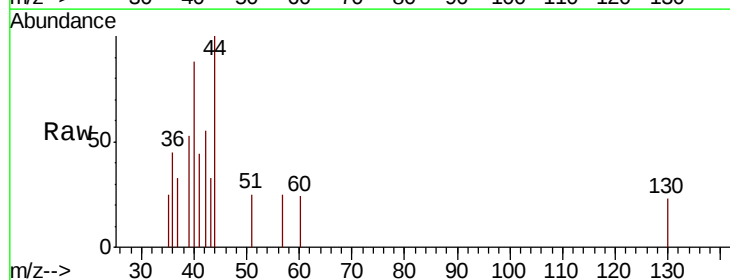
Instrument :
 MSVOA_N
 ClientSampled :

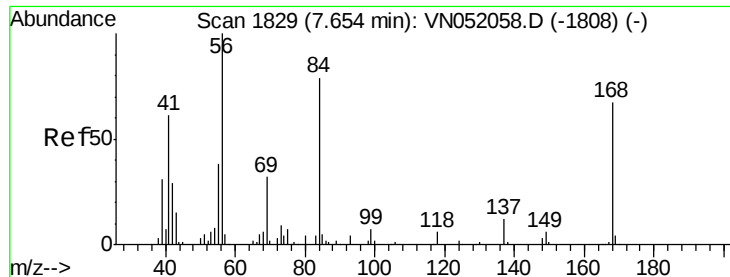
Tot Ion: 43 Resp: 678
 Ion Ratio Lower Upper
 43 100
 72 0.0 20.2 30.2#



#29
 Tetrahydrofuran
 Concen: 0.320 ug/l
 RT: 7.21 min Scan# 1692
 Delta R.T. 0.00 min
 Lab File: VN052085.D
 Acq: 31 Oct 2018 20:19

Tgt Ion: 42 Resp: 332
 Ion Ratio Lower Upper
 42 100
 72 8.7 32.5 48.7#
 71 0.0 30.6 46.0#

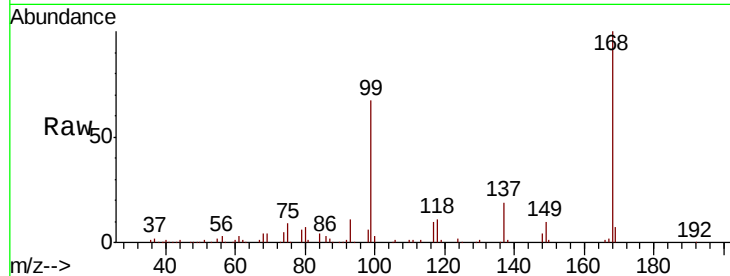




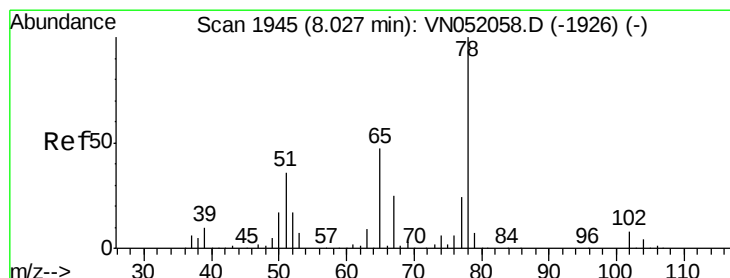
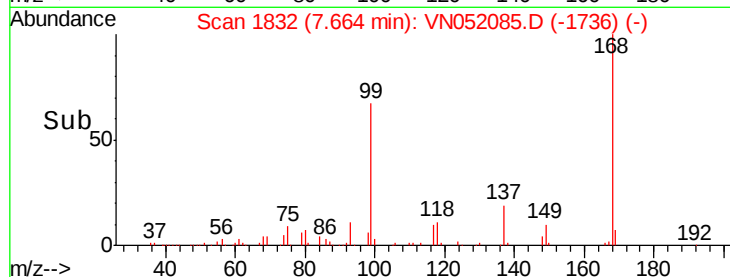
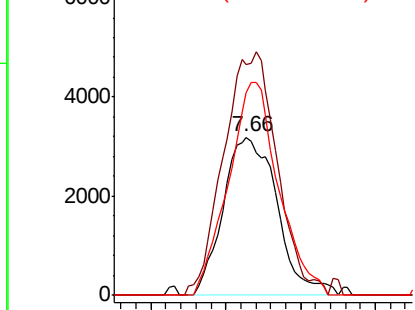
#31
Cyclohexane
Concen: Below Cal
RT: 7.66 min Scan# 1832
Delta R.T. 0.01 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 8018
Ion Ratio Lower Upper
56 100
69 140.3 25.8 38.6#
84 128.2 63.5 95.3#

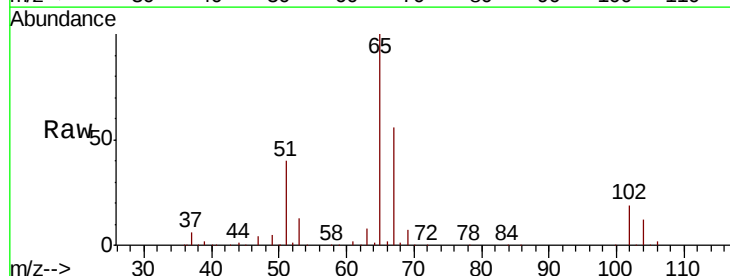


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

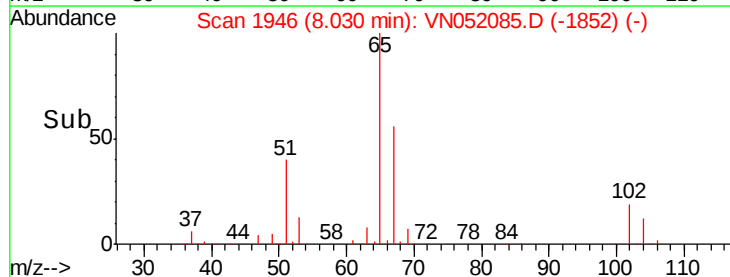
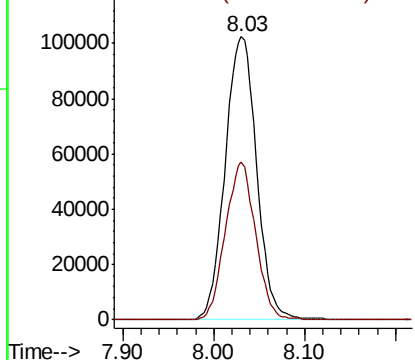


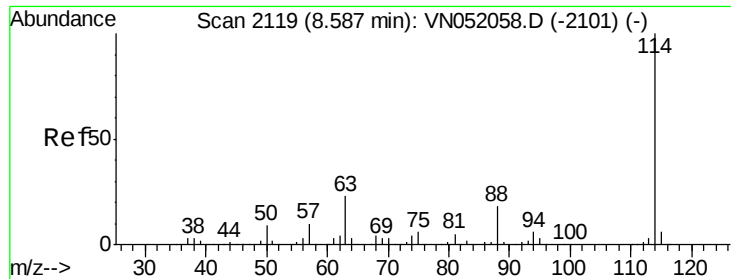
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1946
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 65 Resp: 245960
Ion Ratio Lower Upper
65 100
67 53.6 0.0 105.2



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

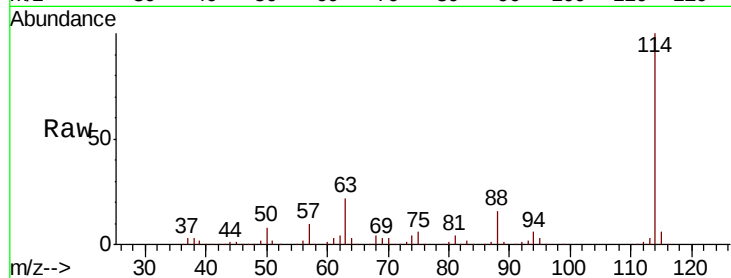




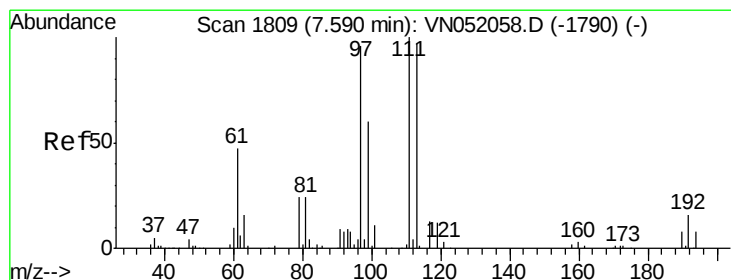
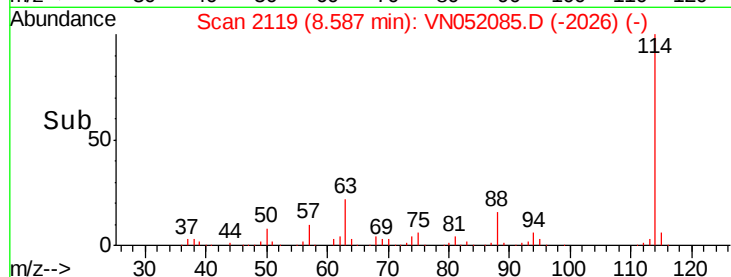
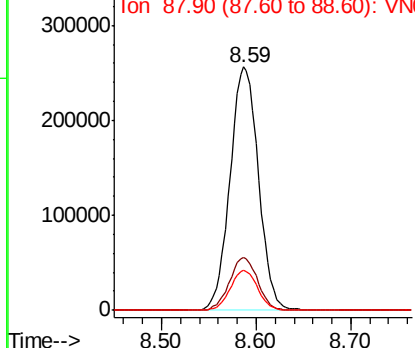
#34
1,4-Difluorobenzene
Concen: 50.000 ug/l
RT: 8.59 min Scan# 2119
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:114 Resp: 535758
Ion Ratio Lower Upper
114 100
63 21.7 0.0 46.0
88 16.3 0.0 35.4

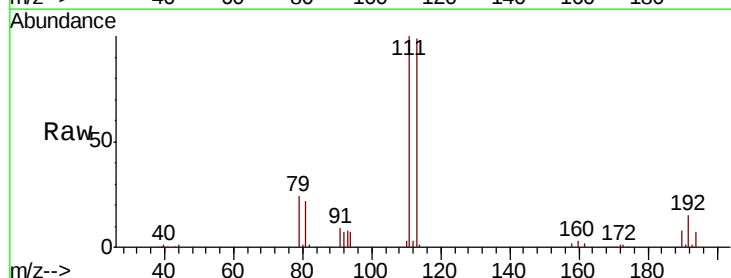


Abundance Ion 113.90 (113.60 to 114.60): V
Ion 63.00 (62.70 to 63.70): VN
Ion 87.90 (87.60 to 88.60): VN

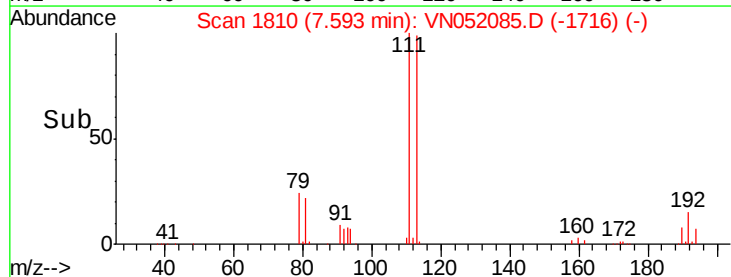
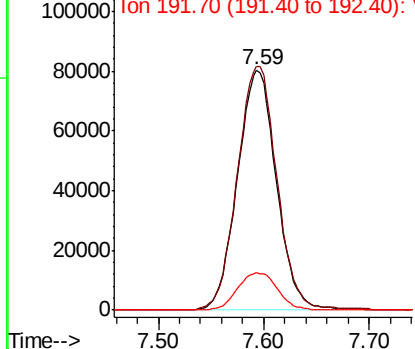


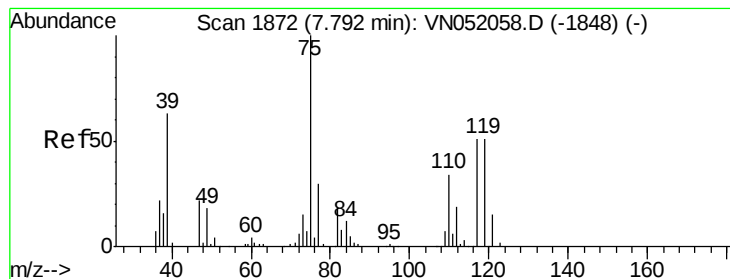
#35
Dibromofluoromethane
Concen: 50.000 ug/l
RT: 7.59 min Scan# 1810
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion:113 Resp: 205664
Ion Ratio Lower Upper
113 100
111 103.3 83.1 124.7
192 16.0 12.7 19.1



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: 4.943 ug/l

RT: 7.67 min Scan# 1834

Delta R.T. -0.12 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

Instrument :

MSVOA_N

ClientSampled :

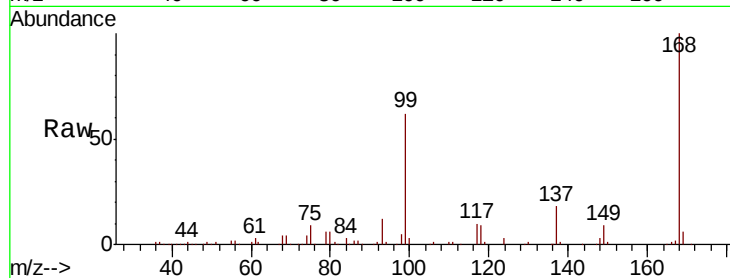
Tot Ion: 75 Resp: 26927

Ion Ratio Lower Upper

75 100

110 7.5 16.0 48.0#

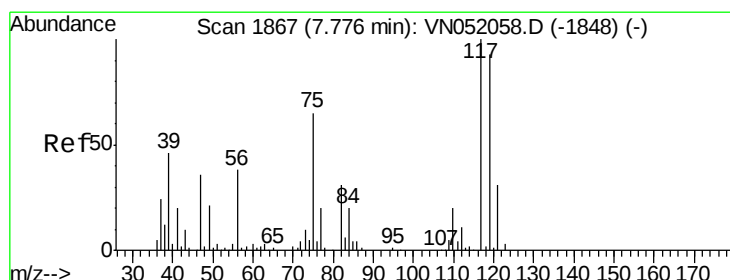
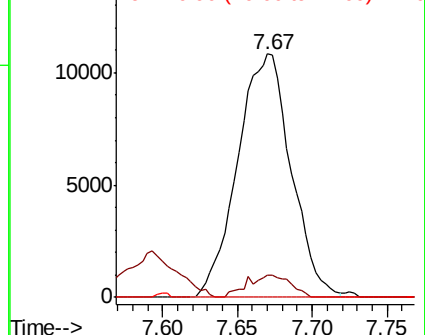
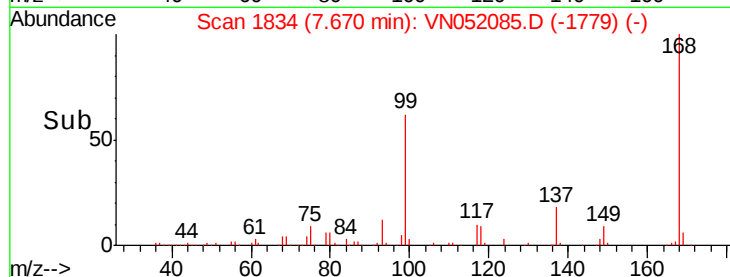
77 0.0 24.5 36.7#



Abundance Ion 74.90 (74.60 to 75.60): VN052085.D (-1779) (-)

Ion 109.90 (109.60 to 110.60): VN052085.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052085.D (-1779) (-)



#38

Carbon Tetrachloride

Concen: 6.404 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

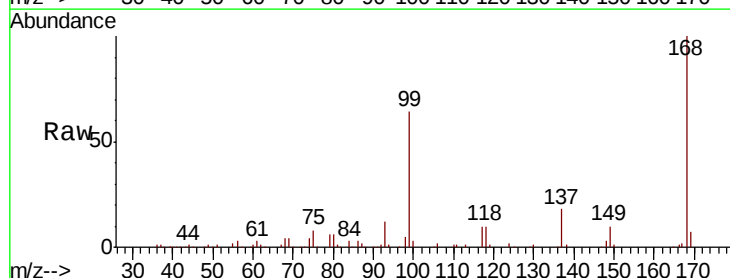
Tgt Ion: 117 Resp: 30079

Ion Ratio Lower Upper

117 100

119 7.5 74.8 112.2#

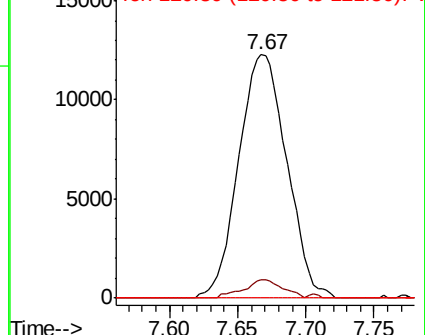
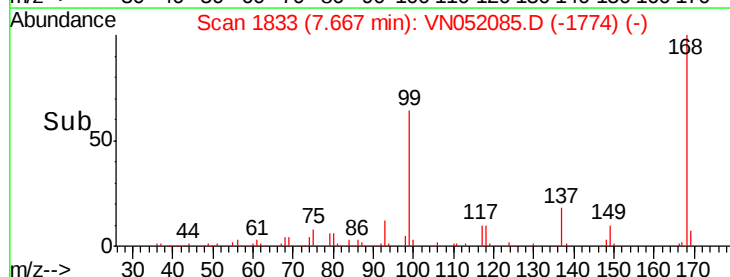
121 0.0 25.1 37.7#

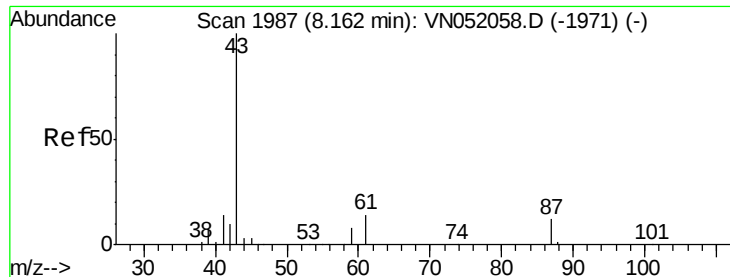


Abundance Ion 116.80 (116.50 to 117.50): VN052085.D (-1774) (-)

Ion 118.80 (118.50 to 119.50): VN052085.D (-1774) (-)

Ion 120.80 (120.50 to 121.50): VN052085.D (-1774) (-)





#43

Isopropyl Acetate

Concen: 25.304 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

Instrument :

MSVOA_N

ClientSampleId :

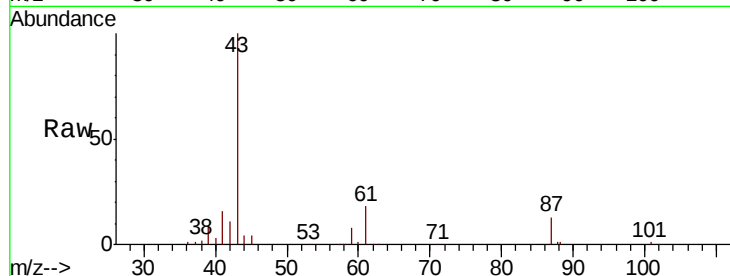
Tot Ion: 43 Resp: 164103

Ion Ratio Lower Upper

43 100

61 17.4 15.4 23.0

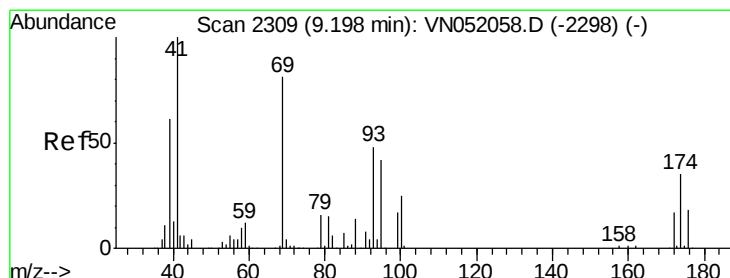
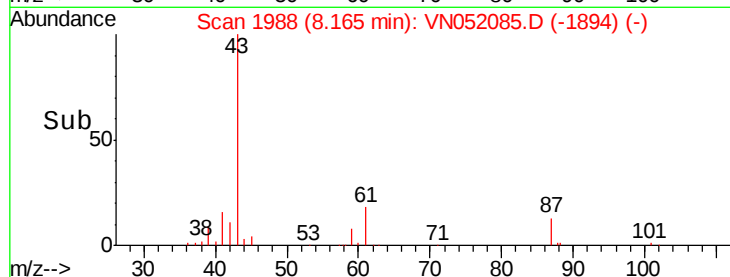
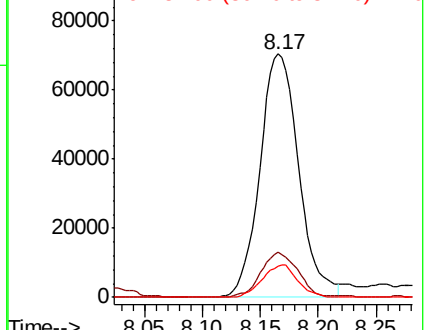
87 12.1 9.8 14.8



Abundance Ion 43.00 (42.70 to 43.70): VN052085.D (-1971) (-)

Ion 61.00 (60.70 to 61.70): VN052085.D (-1971) (-)

Ion 87.00 (86.70 to 87.70): VN052085.D (-1971) (-)



#48

Methyl methacrylate

Concen: 1.427 ug/l

RT: 9.18 min Scan# 2304

Delta R.T. -0.02 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

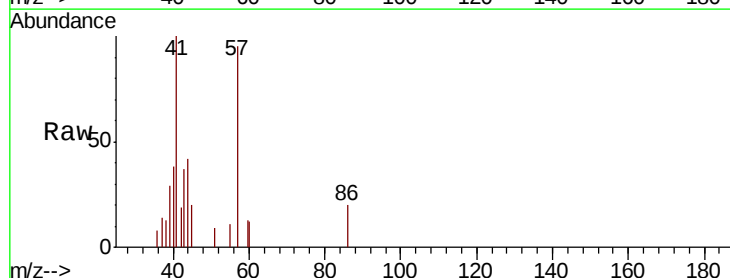
Tgt Ion: 41 Resp: 4693

Ion Ratio Lower Upper

41 100

69 0.0 67.1 100.7#

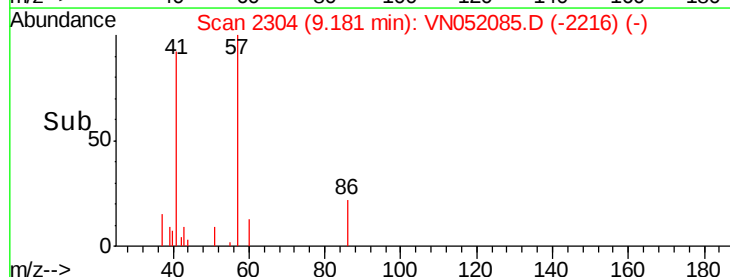
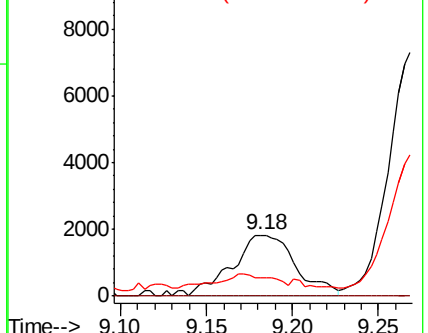
39 18.2 50.5 75.7#

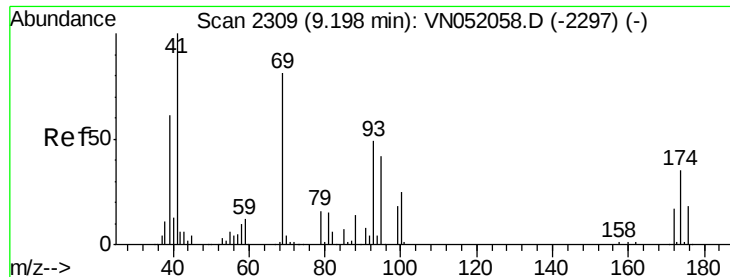


Abundance Ion 41.00 (40.70 to 41.70): VN052085.D (-2298) (-)

Ion 69.00 (68.70 to 69.70): VN052085.D (-2298) (-)

Ion 39.00 (38.70 to 39.70): VN052085.D (-2298) (-)

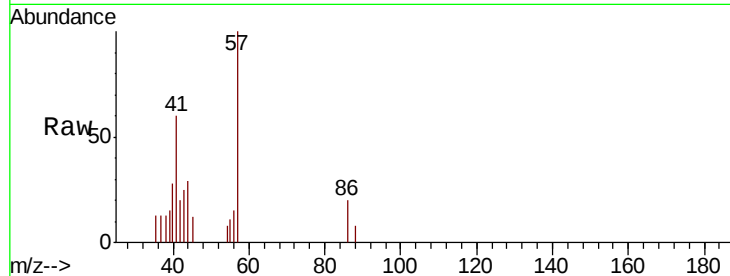




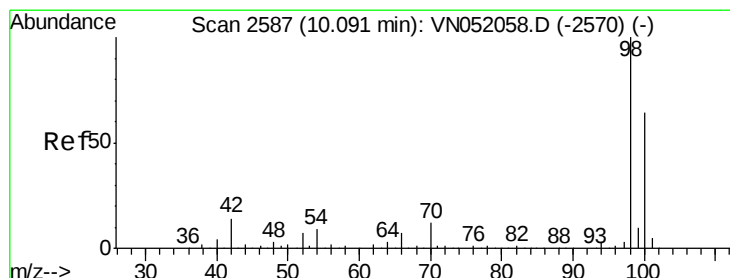
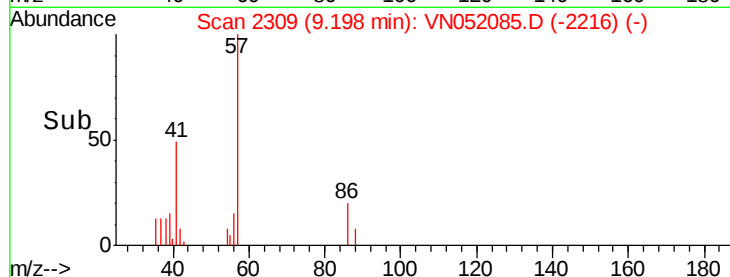
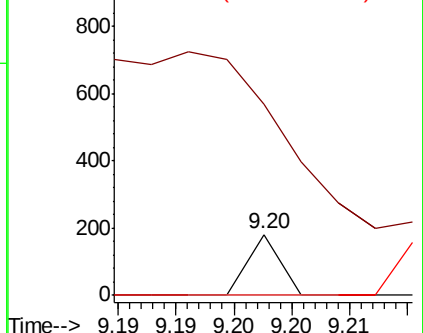
#49
1,4-Dioxane
Concen: 26.299 ug/l
RT: 9.20 min Scan# 2309
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 88 Resp: 35
Ion Ratio Lower Upper
88 100
43 0.0 34.1 51.1#
58 194.3 62.8 94.2#

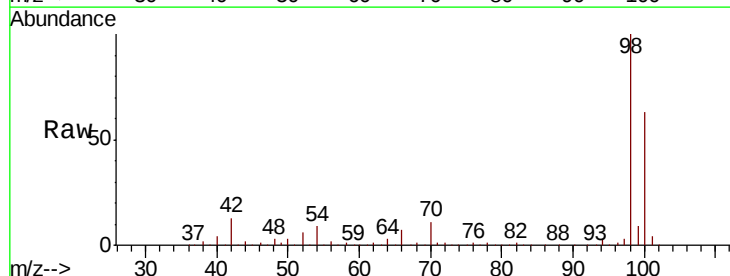


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

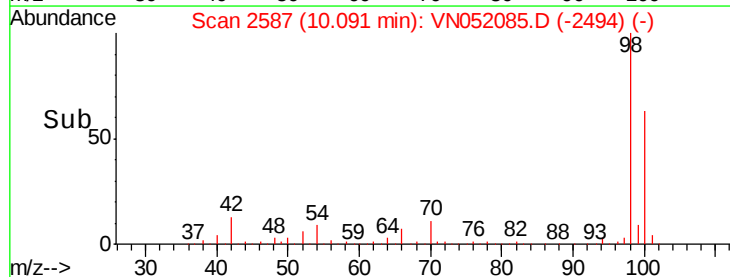
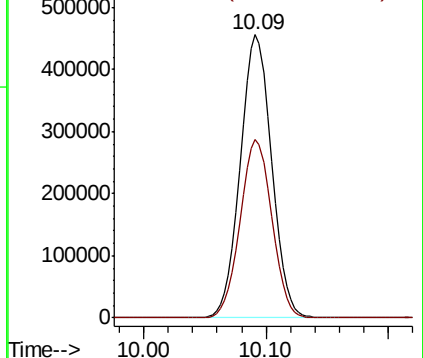


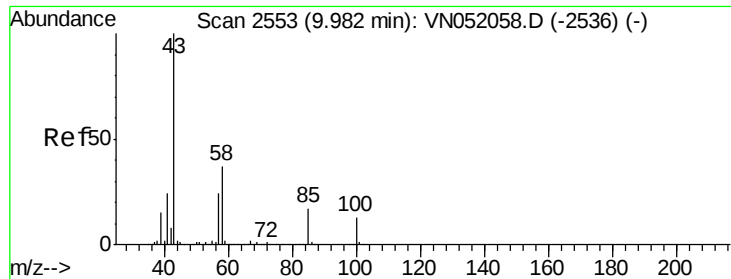
#50
Toluene-d8
Concen: 26.299 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 98 Resp: 806082
Ion Ratio Lower Upper
98 100
100 63.9 51.4 77.2



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

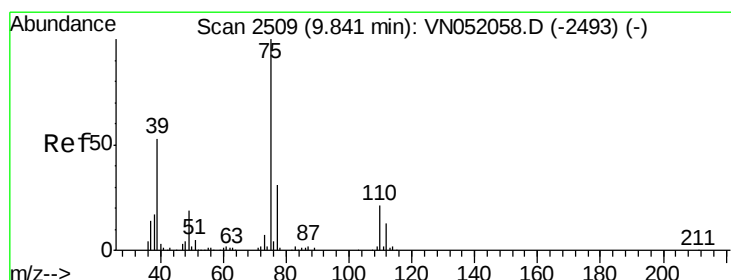
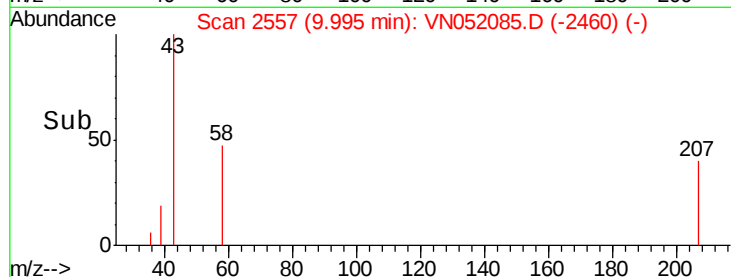
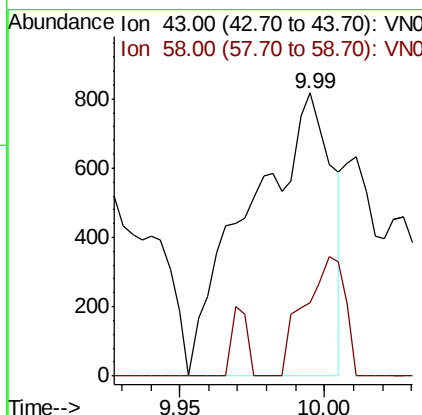
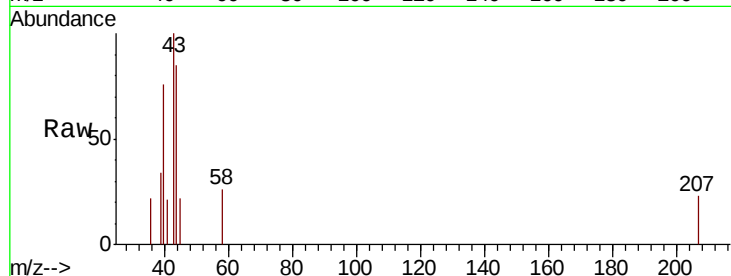




#51
4-Methyl-2-Pentanone
Concen: 0.457 ug/l
RT: 9.99 min Scan# 2557
Delta R.T. 0.01 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

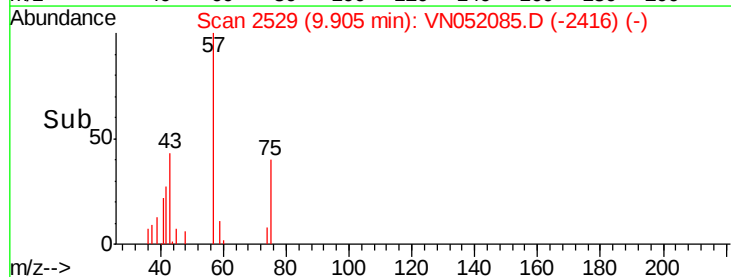
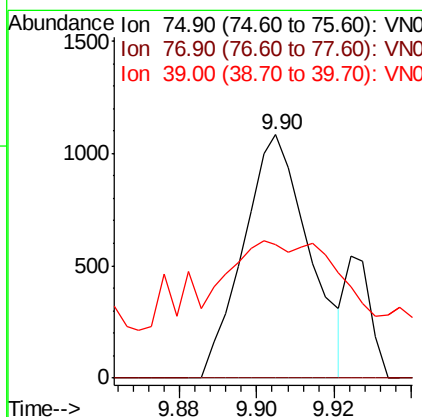
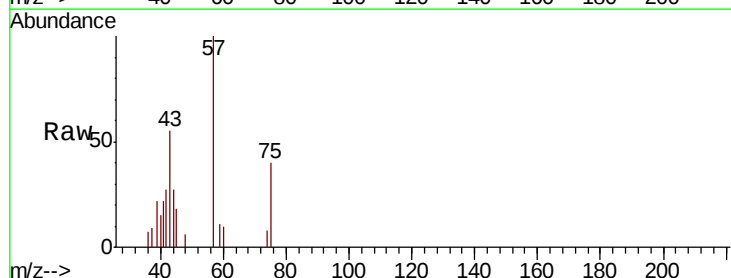
Instrument :
MSVOA_N
ClientSampled :

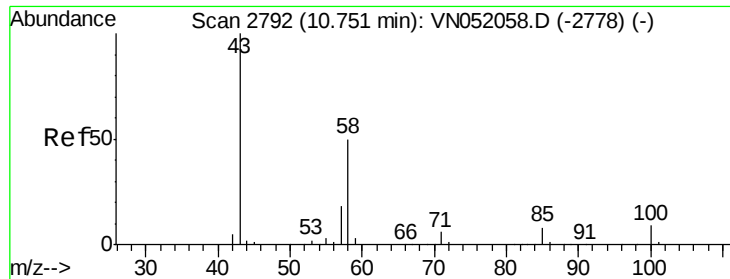
Tot Ion: 43 Resp: 1610
Ion Ratio Lower Upper
43 100
58 20.7 29.7 44.5#



#54
cis-1,3-Dichloropropene
Concen: 0.207 ug/l
RT: 9.90 min Scan# 2529
Delta R.T. 0.06 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 75 Resp: 1272
Ion Ratio Lower Upper
75 100
77 0.0 25.0 37.4#
39 11.7 42.3 63.5#

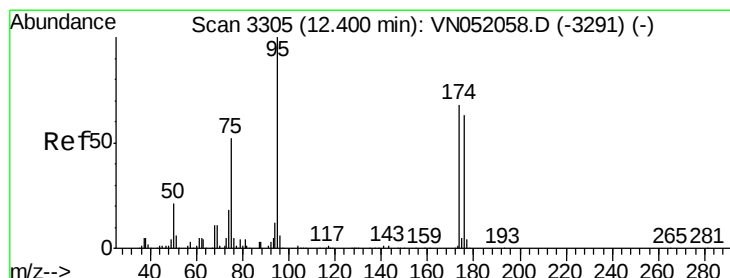
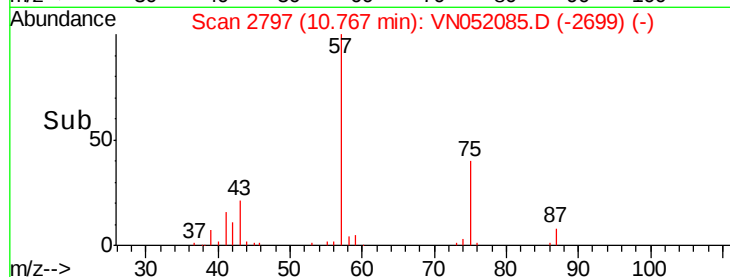
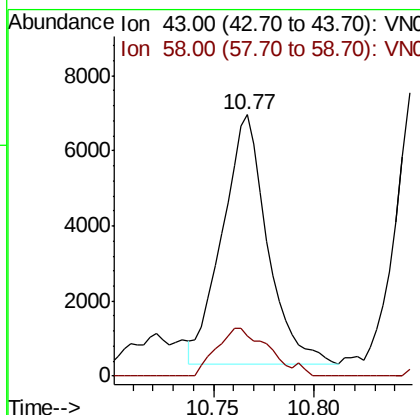
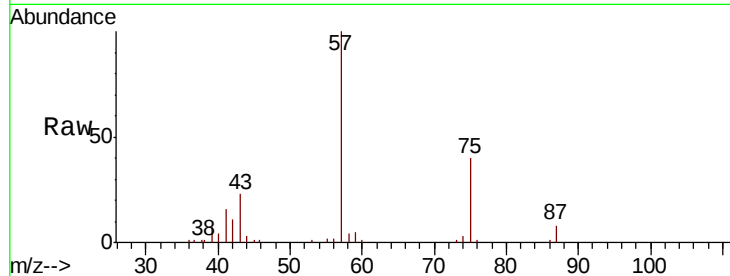




#59
2-Hexanone
Concen: 4.096 ug/l
RT: 10.77 min Scan# 2797
Delta R.T. 0.02 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

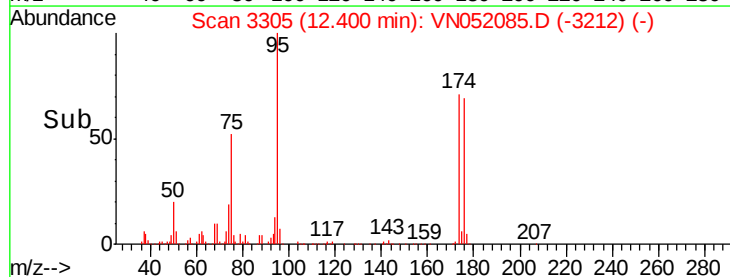
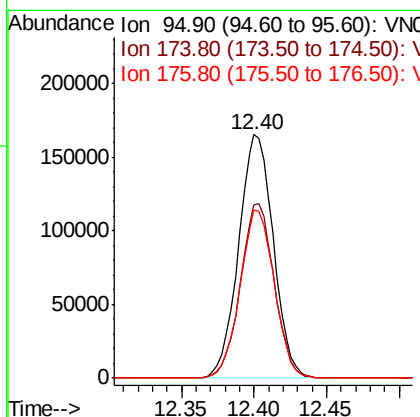
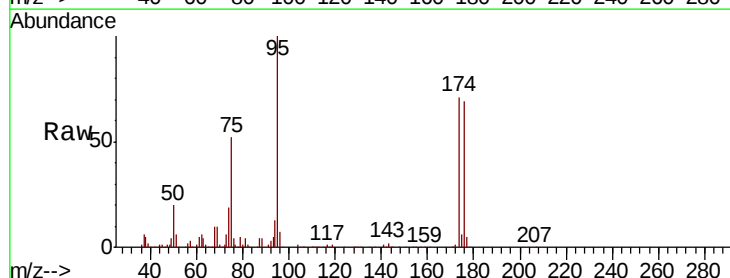
Instrument :
MSVOA_N
ClientSampleId :

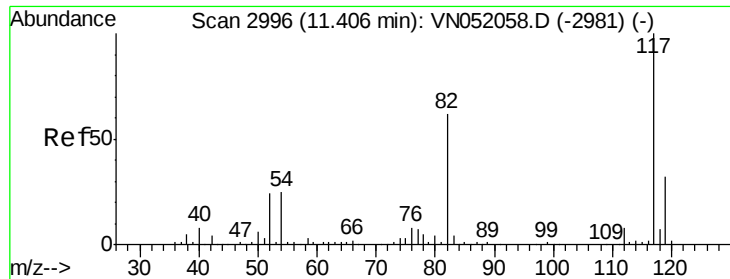
Tot Ion: 43 Resp: 10290
Ion Ratio Lower Upper
43 100
58 22.6 25.2 75.6#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 95 Resp: 274496
Ion Ratio Lower Upper
95 100
174 70.1 0.0 131.8
176 68.4 0.0 126.0





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

Instrument :

MSVOA_N

ClientSampled :

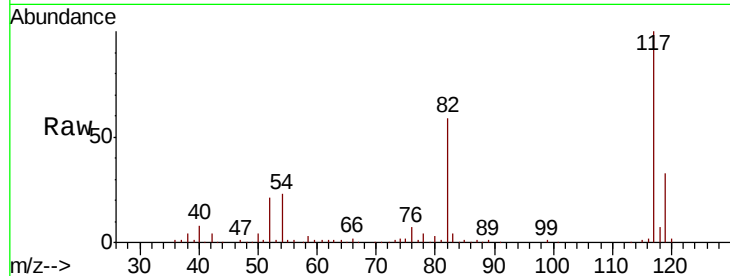
Tot Ion:117 Resp: 503290

Ion Ratio Lower Upper

117 100

82 58.8 49.9 74.9

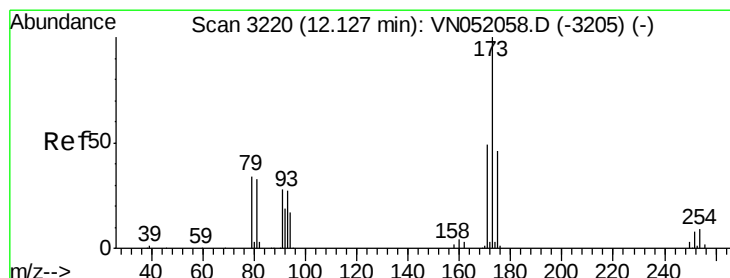
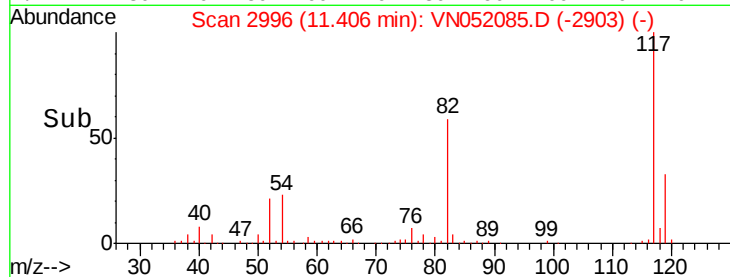
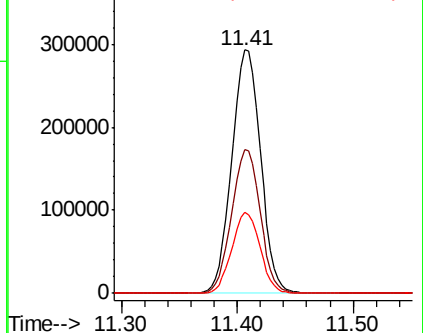
119 33.0 25.7 38.5



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



#71

Bromoform

Concen: 2.246 ug/l

RT: 12.38 min Scan# 3299

Delta R.T. 0.25 min

Lab File: VN052085.D

Acq: 31 Oct 2018 20:19

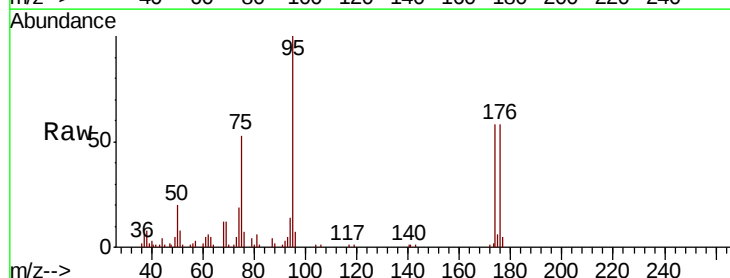
Tgt Ion:173 Resp: 152

Ion Ratio Lower Upper

173 100

175 0.0 23.9 71.7#

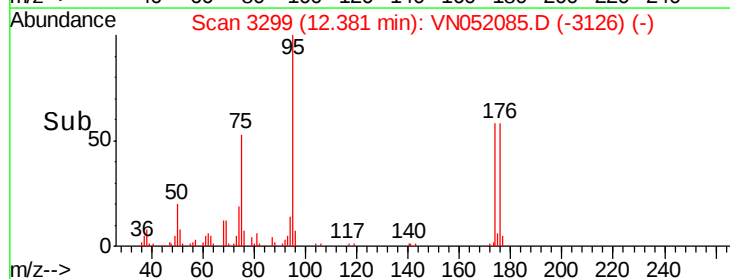
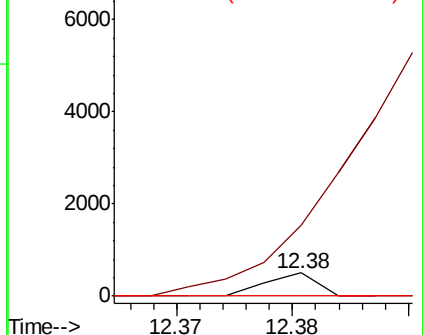
254 0.0 0.0 0.0

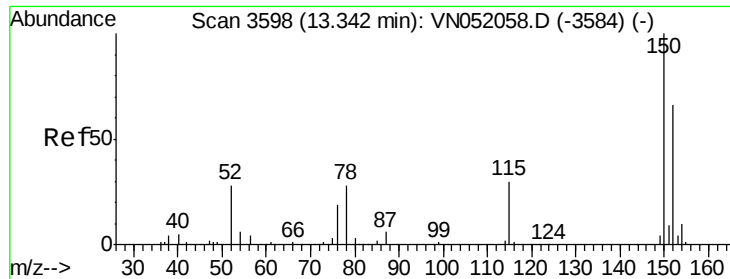


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V



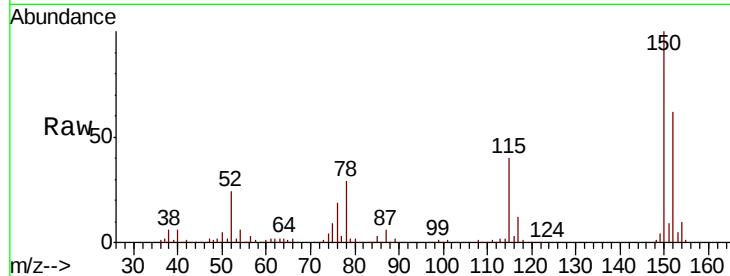


#72

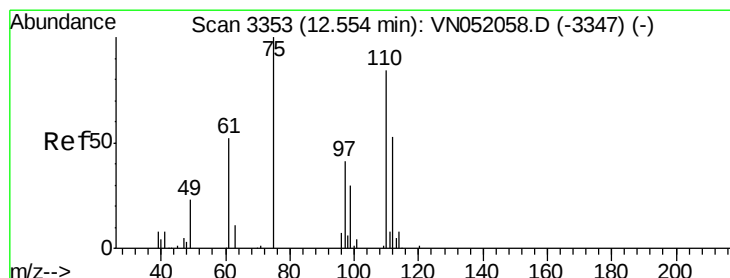
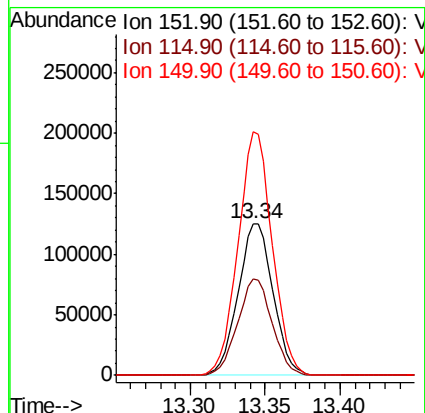
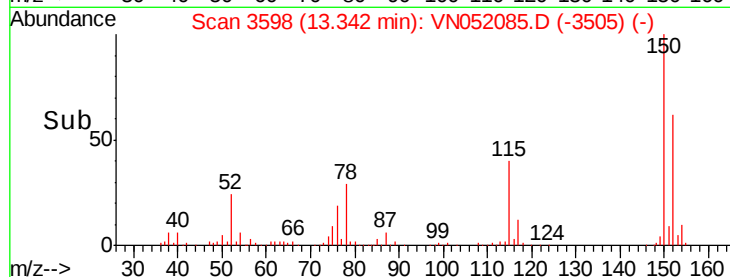
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:152 Resp: 203569
Ion Ratio Lower Upper
152 100
115 63.0 31.6 95.0
150 156.6 0.0 345.0



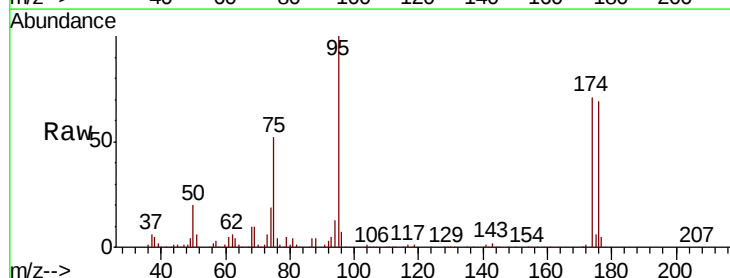
Abundance Ion 151.90 (151.60 to 152.60): V
Ion 114.90 (114.60 to 115.60): V
Ion 149.90 (149.60 to 150.60): V



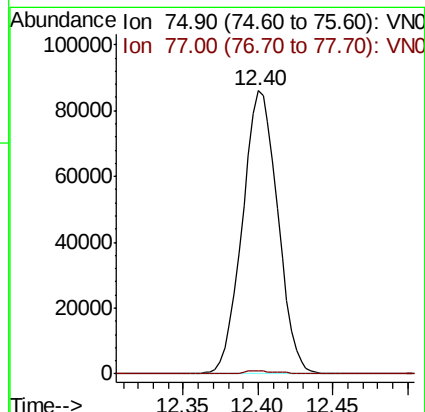
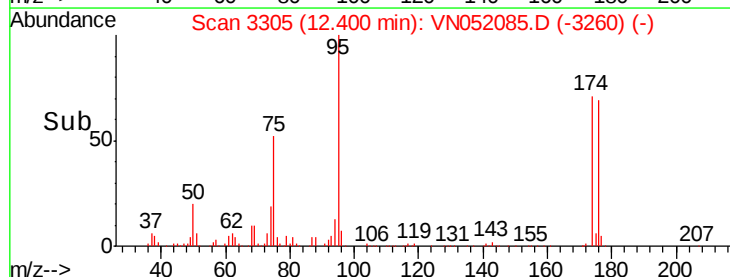
#76

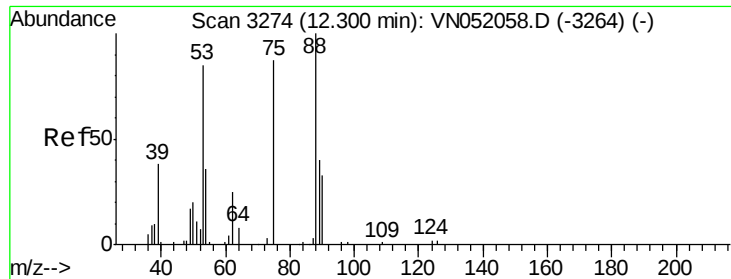
1,2,3-Trichloropropane
Concen: 38.037 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.15 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 75 Resp: 141742
Ion Ratio Lower Upper
75 100
77 1.0 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): V
Ion 77.00 (76.70 to 77.70): V

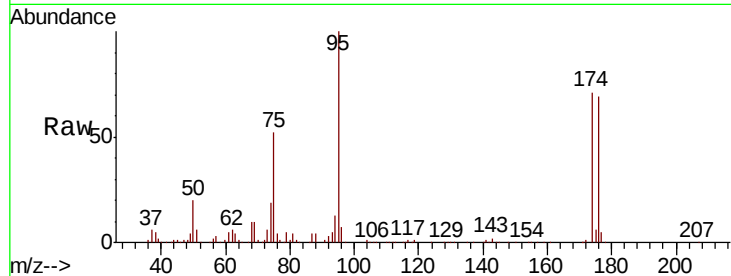




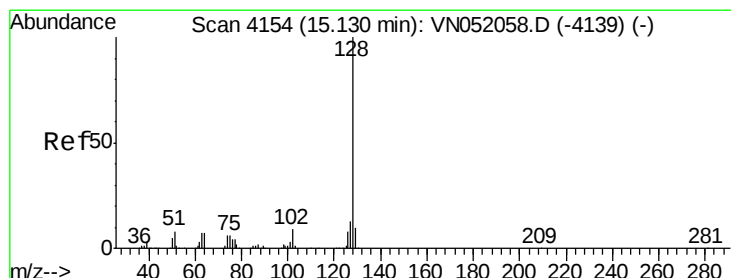
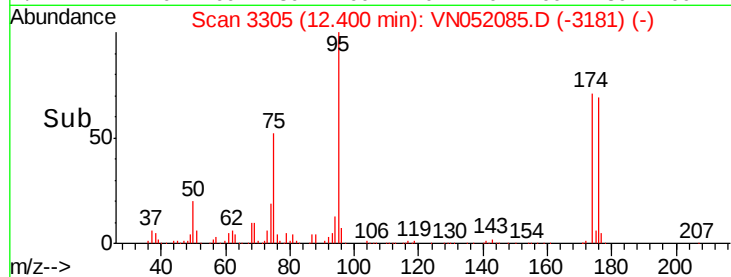
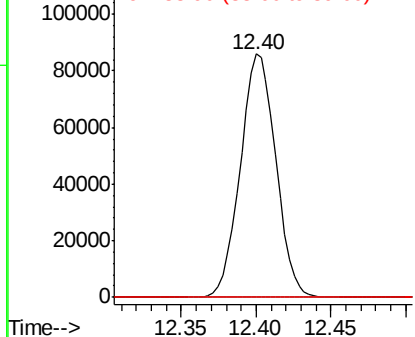
#81
trans-1,4-Dichloro-2-butene
Concen: 126.251 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.10 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 75 Resp: 141742
Ion Ratio Lower Upper
75 100
53 0.0 81.8 122.6#
89 0.0 36.6 54.8#

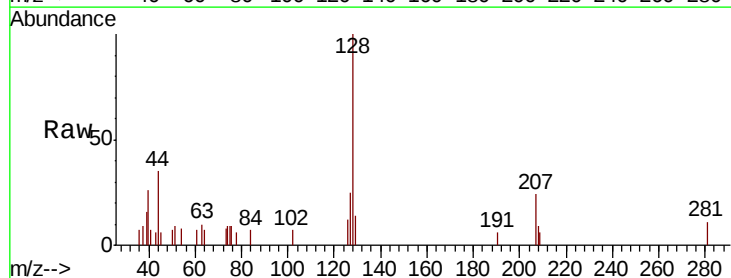


Abundance Ion 74.90 (74.60 to 75.60): VN0
Ion 53.00 (52.70 to 53.70): VN0
Ion 88.90 (88.60 to 89.60): VN0



#95
Naphthalene
Concen: 0.814 ug/l
RT: 15.13 min Scan# 4155
Delta R.T. 0.00 min
Lab File: VN052085.D
Acq: 31 Oct 2018 20:19

Tgt Ion: 128 Resp: 4747
Ion Ratio Lower Upper
128 100
127 17.1 10.5 15.7#
129 9.0 8.6 12.8



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

