

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN111518\
 Data File : VN052344.D
 Acq On : 15 Nov 2018 16:13
 Operator : MD\SY
 Sample : J5957-01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 16 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Nov 16 02:52:50 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	303661	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	511956	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	429020	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	145815	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.03	65	209392	48.82	ug/l	0.00
Spiked Amount			Recovery	=	97.64%	
35) Dibromofluoromethane	7.59	113	161320	48.85	ug/l	0.00
Spiked Amount			Recovery	=	97.70%	
50) Toluene-d8	10.09	98	633395	48.76	ug/l	0.00
Spiked Amount			Recovery	=	97.52%	
62) 4-Bromofluorobenzene	12.40	95	179958	42.11	ug/l	0.00
Spiked Amount			Recovery	=	84.22%	

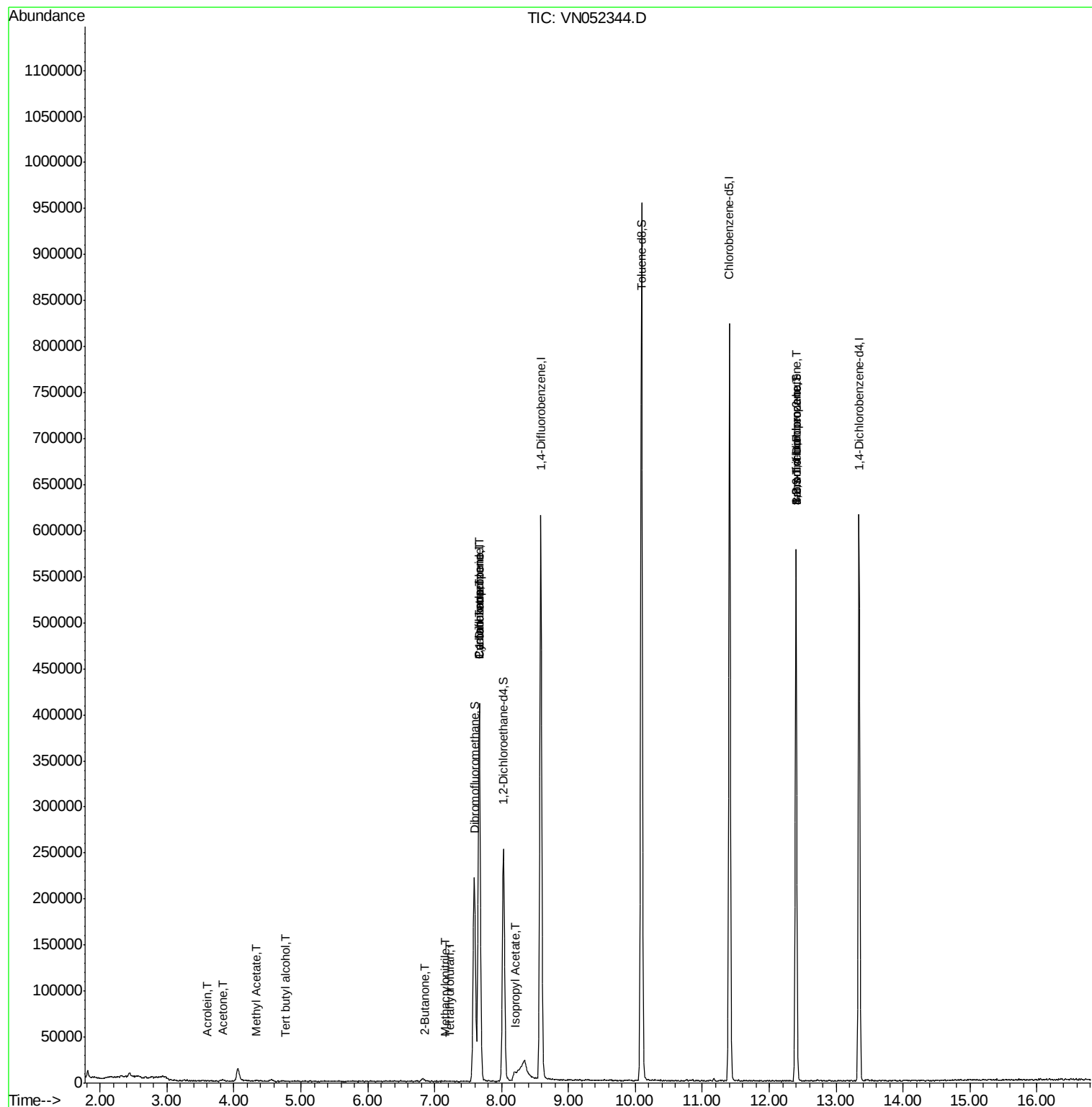
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
11) Tert butyl alcohol	4.77	59	64	0.283	ug/l #	72
13) Acrolein	3.60	56	102	22.043	ug/l #	14
16) Acetone	3.82	43	2933	2.484	ug/l	92
18) Methyl Acetate	4.33	43	216	0.496	ug/l #	32
20) Methylene Chloride	4.55	84	430	Below Cal	#	43
25) 2-Butanone	6.86	43	350	0.211	ug/l #	52
29) Tetrahydrofuran	7.23	42	247	0.226	ug/l #	40
31) Cyclohexane	7.67	56	9108	0.344	ug/l #	31
36) 1,1-Dichloropropene	7.67	75	27507	5.361	ug/l #	51
38) Carbon Tetrachloride	7.67	117	31588	6.700	ug/l #	16
41) Methacrylonitrile	7.17	41	478	3.909	ug/l #	100
43) Isopropyl Acetate	8.21	43	11155	1.552	ug/l #	67
71) Bromoform	12.39	173	533	0.292	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	103412	41.796	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	103412	135.561	ug/l #	5

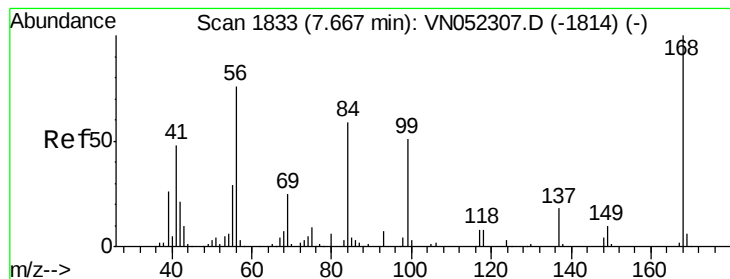
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN111518\
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Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N111418W.M
Quant Title : SW846 8260
QLast Update : Thu Nov 15 03:02:37 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: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

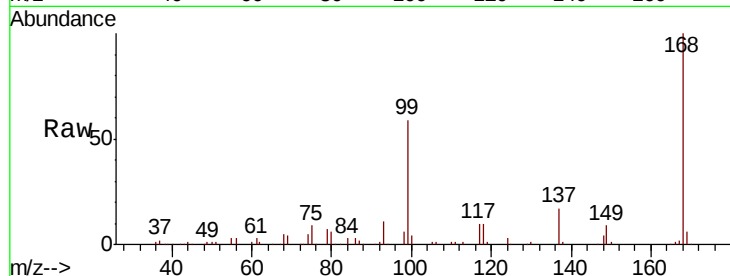
ClientSampleId :

Tot Ion:168 Resp: 303661

Ion Ratio Lower Upper

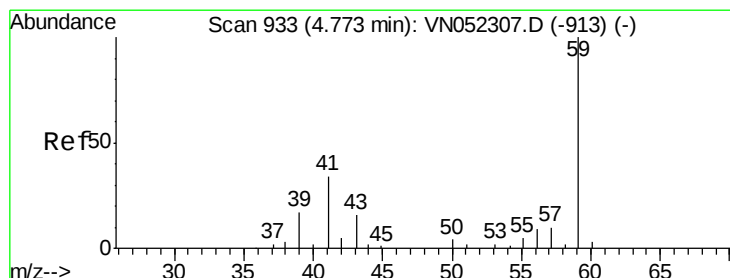
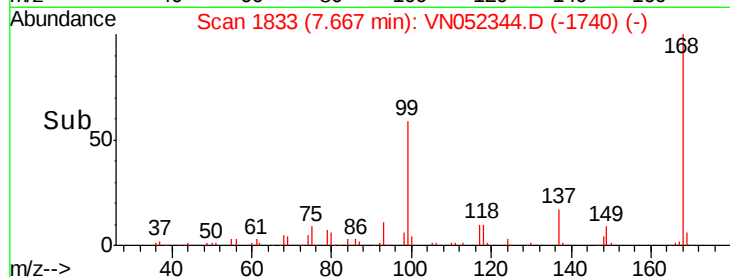
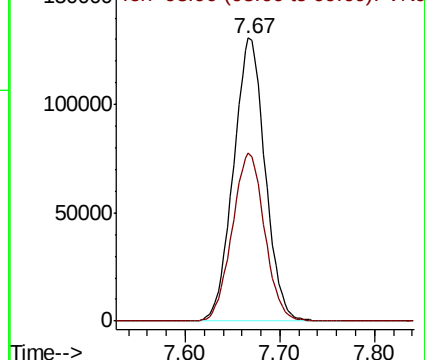
168 100

99 59.4 47.9 71.9



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



#11

Tert butyl alcohol

Concen: 0.283 ug/l

RT: 4.77 min Scan# 931

Delta R.T. -0.01 min

Lab File: VN052344.D

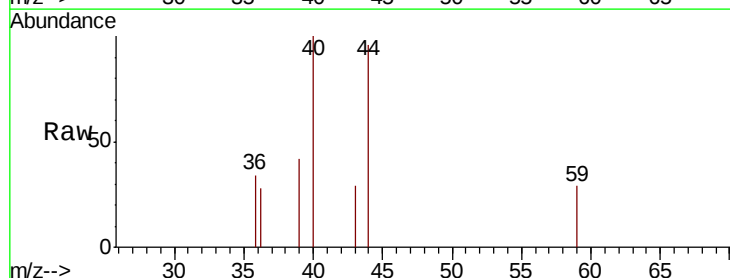
Acq: 15 Nov 2018 16:13

Tgt Ion: 59 Resp: 64

Ion Ratio Lower Upper

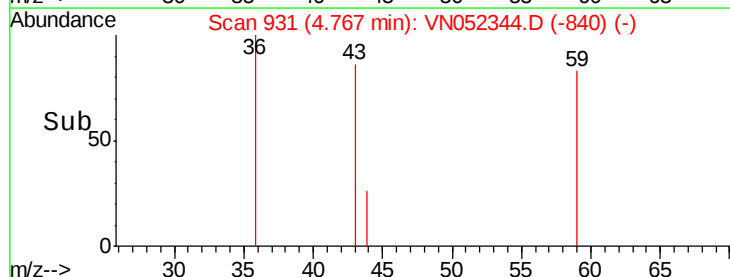
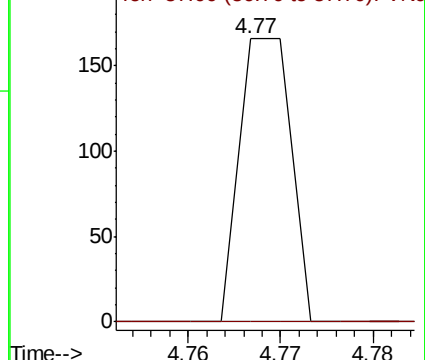
59 100

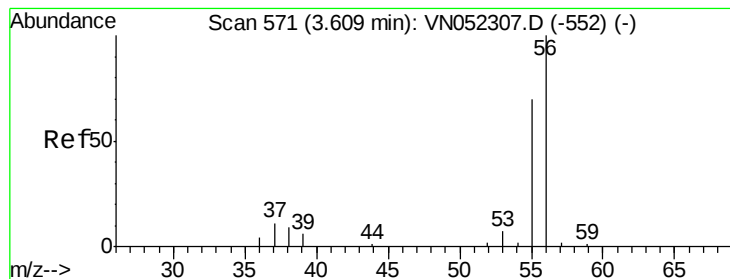
57 0.0 8.5 12.7#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 22.043 ug/l

RT: 3.60 min Scan# 569

Delta R.T. -0.01 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

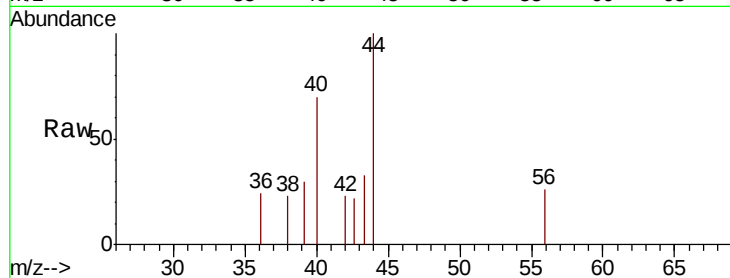
ClientSampleId :

Tot Ion: 56 Resp: 102

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

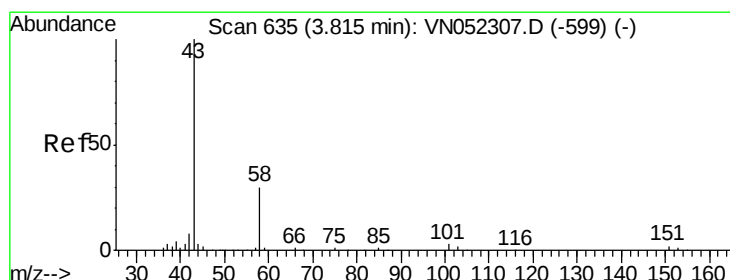
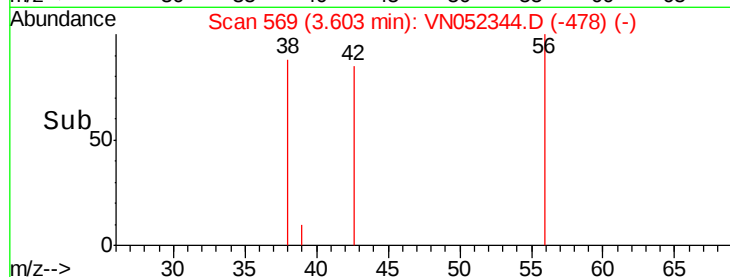
150

100

50

0

Time-->



#16

Acetone

Concen: 2.484 ug/l

RT: 3.82 min Scan# 637

Delta R.T. 0.01 min

Lab File: VN052344.D

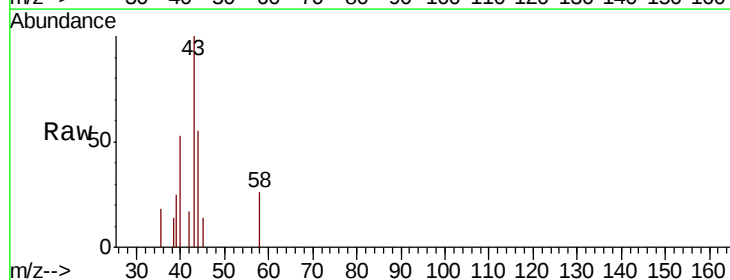
Acq: 15 Nov 2018 16:13

Tgt Ion: 43 Resp: 2933

Ion Ratio Lower Upper

43 100

58 25.7 24.2 36.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.82

1200

1000

800

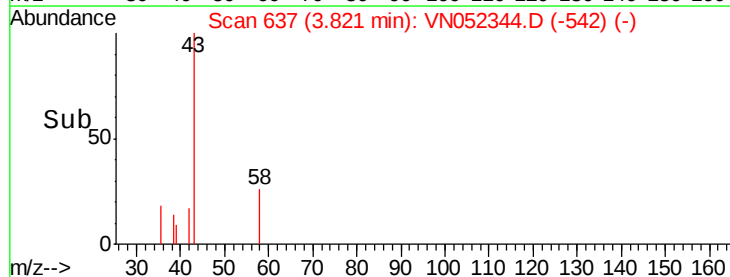
600

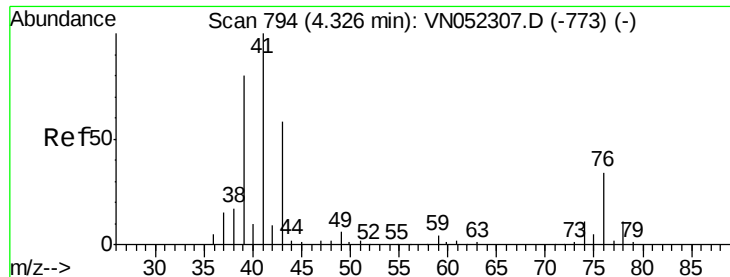
400

200

0

Time-->

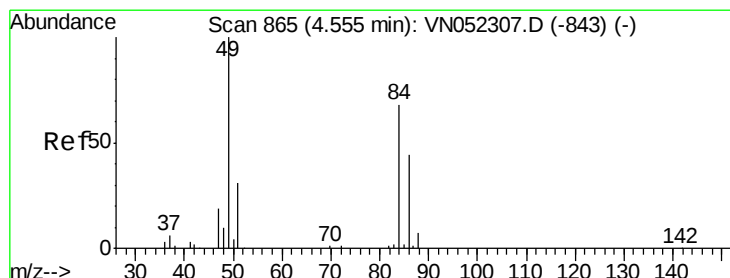
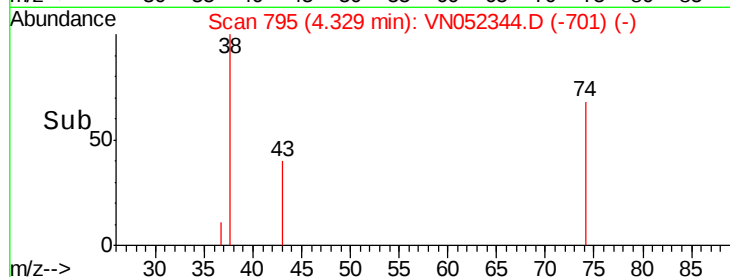
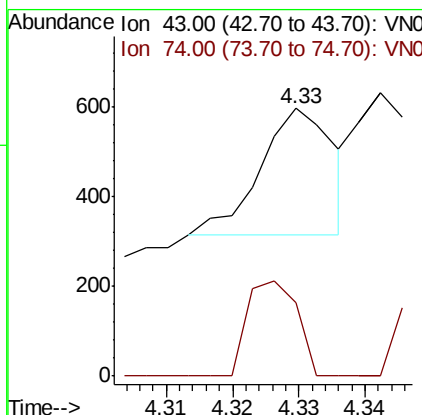
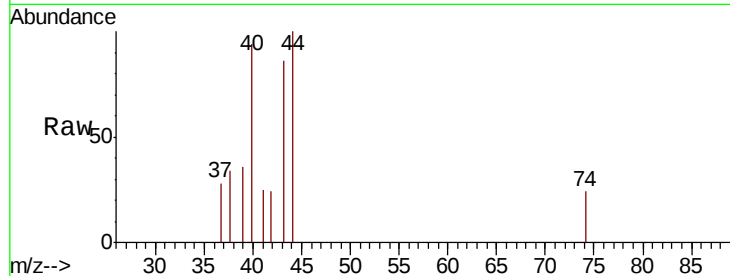




#18
Methyl Acetate
Concen: 0.496 ug/l
RT: 4.33 min Scan# 795
Delta R.T. 0.00 min
Lab File: VN052344.D
Acq: 15 Nov 2018 16:13

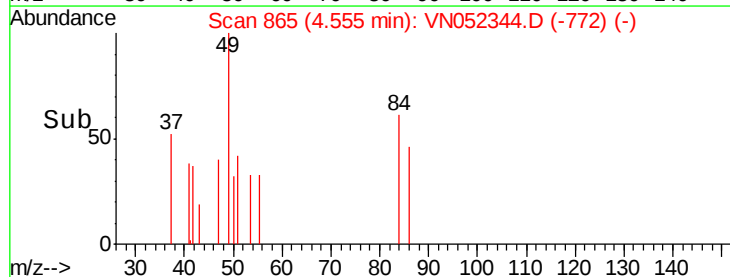
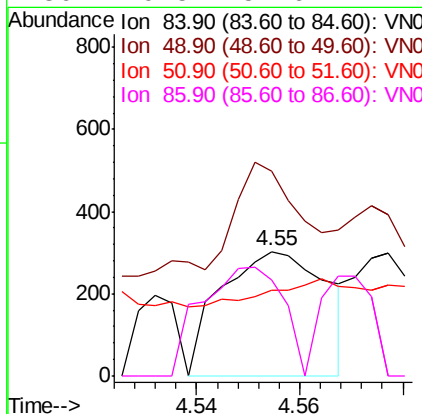
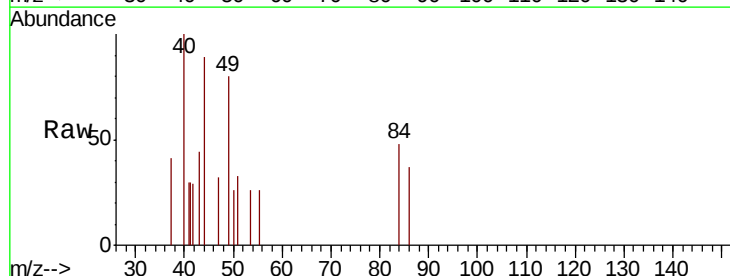
Instrument :
MSVOA_N
ClientSampled :

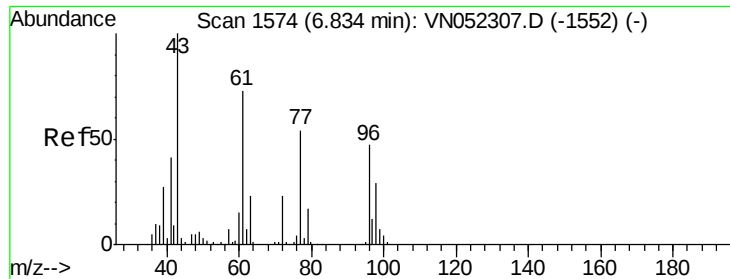
Tot Ion: 43 Resp: 216
Ion Ratio Lower Upper
43 100
74 50.9 15.9 23.9#



#20
Methylene Chloride
Concen: Below Cal
RT: 4.55 min Scan# 865
Delta R.T. 0.00 min
Lab File: VN052344.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 84 Resp: 430
Ion Ratio Lower Upper
84 100
49 73.6 118.2 177.2#
51 12.9 36.1 54.1#
86 19.5 51.6 77.4#





#25

2-Butanone

Concen: 0.211 ug/l

RT: 6.86 min Scan# 1581

Delta R.T. 0.02 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

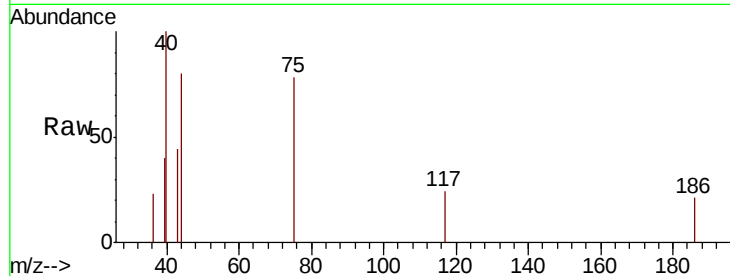
ClientSampleId :

Tot Ion: 43 Resp: 350

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

6.86

300

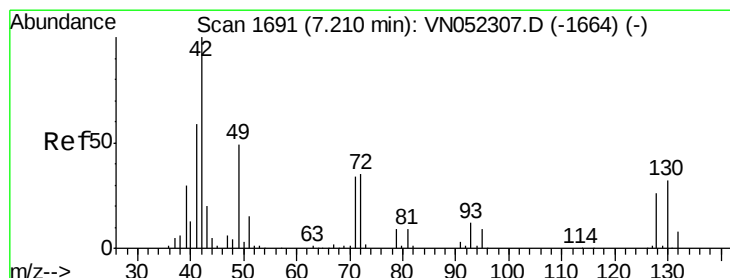
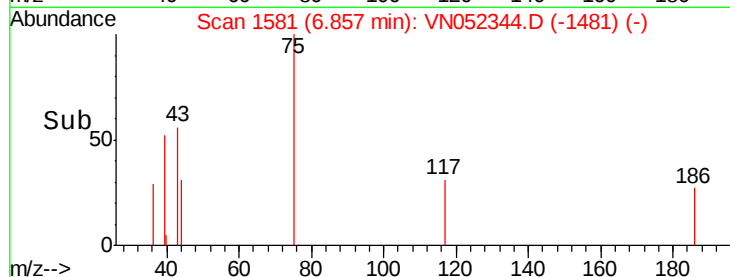
200

100

0

6.84 6.86 6.88

Time-->



#29

Tetrahydrofuran

Concen: 0.226 ug/l

RT: 7.23 min Scan# 1696

Delta R.T. 0.02 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

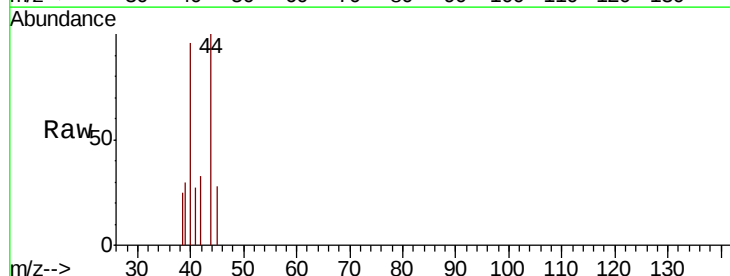
Tgt Ion: 42 Resp: 247

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): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

250

200

150

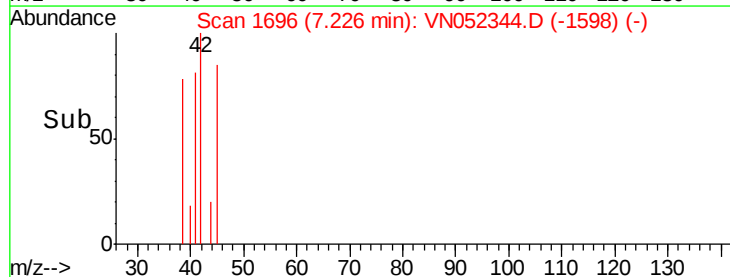
100

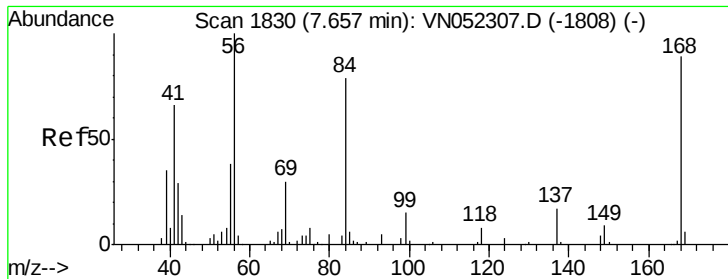
50

0

7.20 7.22 7.24

Time-->

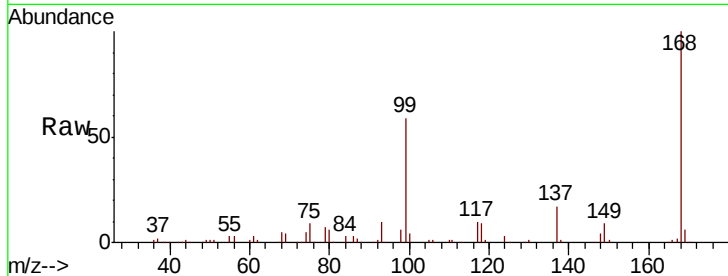




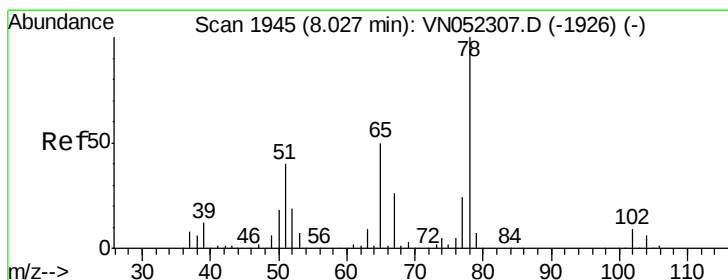
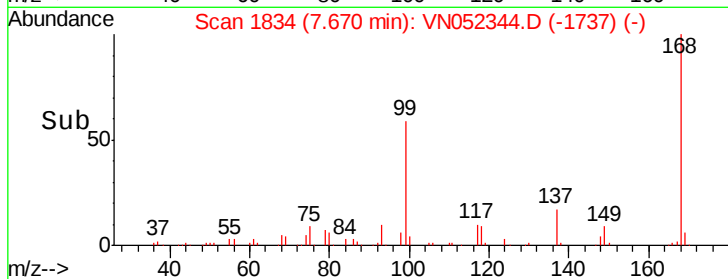
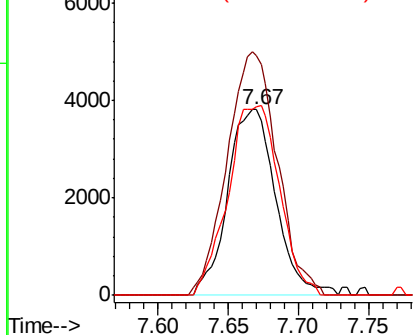
#31
Cyclohexane
Concen: 0.344 ug/l
RT: 7.67 min Scan# 1834
Delta R.T. 0.01 min
Lab File: VN052344.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 9108
Ion Ratio Lower Upper
56 100
69 129.2 23.8 35.8#
84 101.6 63.0 94.6#

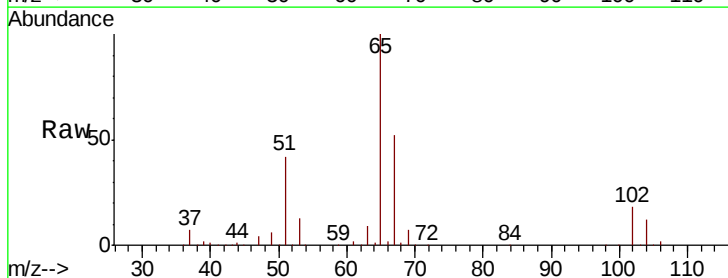


Abundance Ion 56.00 (55.70 to 56.70): VNO
Ion 69.00 (68.70 to 69.70): VNO
Ion 84.00 (83.70 to 84.70): VNO

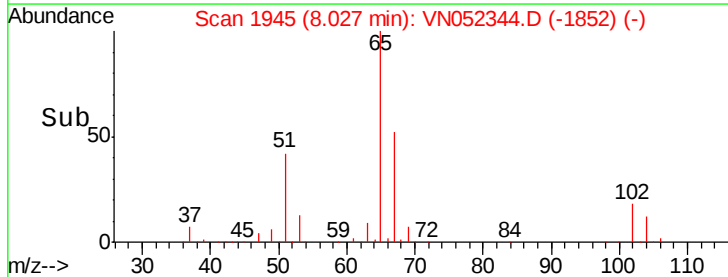
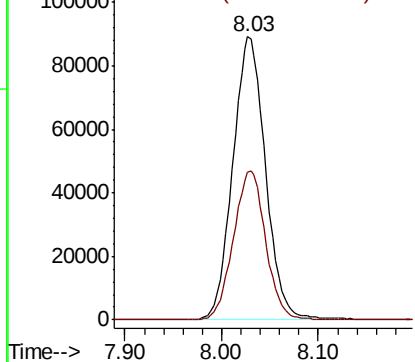


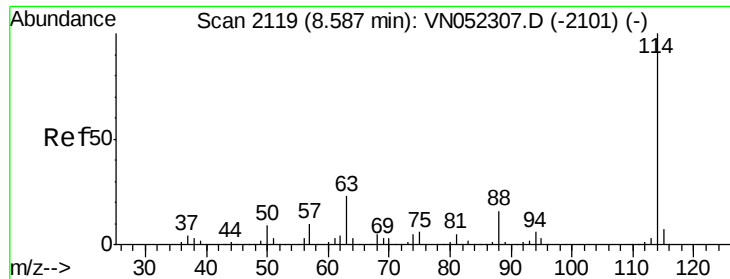
#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052344.D
Acq: 15 Nov 2018 16:13

Tgt Ion: 65 Resp: 209392
Ion Ratio Lower Upper
65 100
67 51.9 0.0 105.2



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

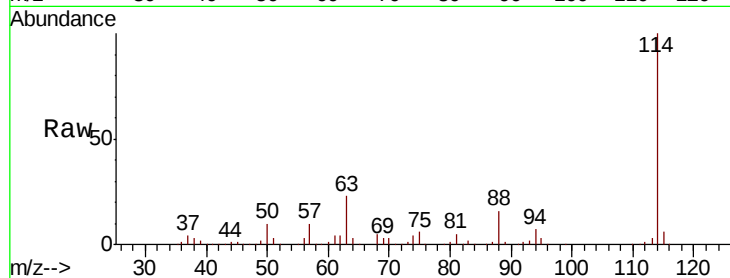




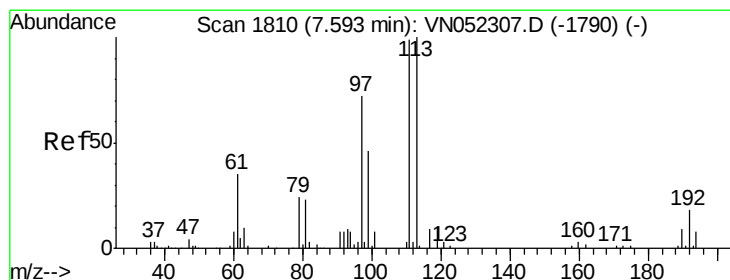
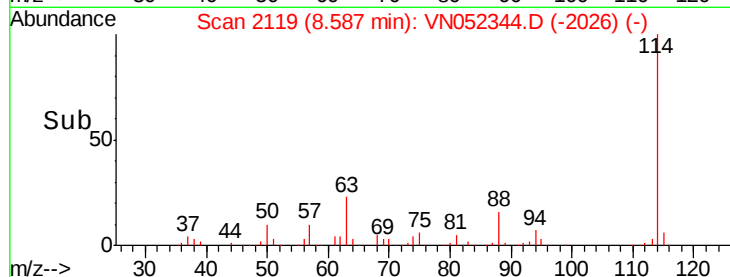
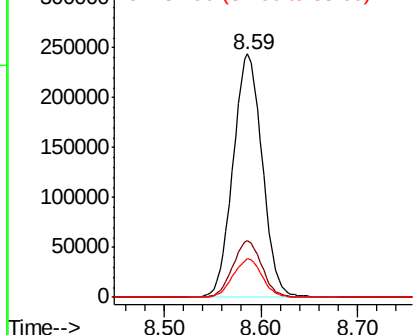
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN052344.D
 Acq: 15 Nov 2018 16:13

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:114 Resp: 511956
 Ion Ratio Lower Upper
 114 100
 63 23.3 0.0 45.4
 88 15.9 0.0 31.2

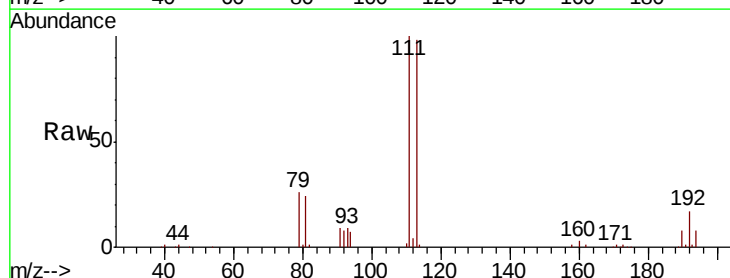


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

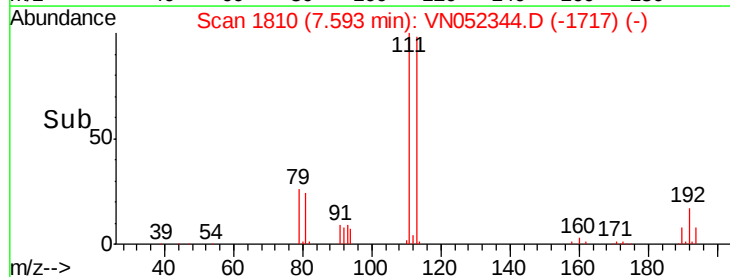
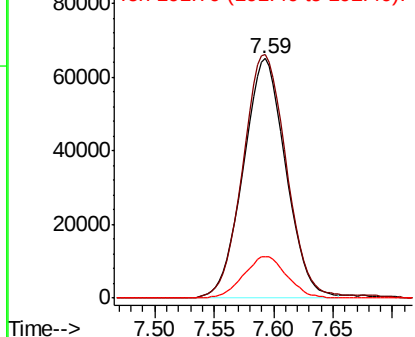


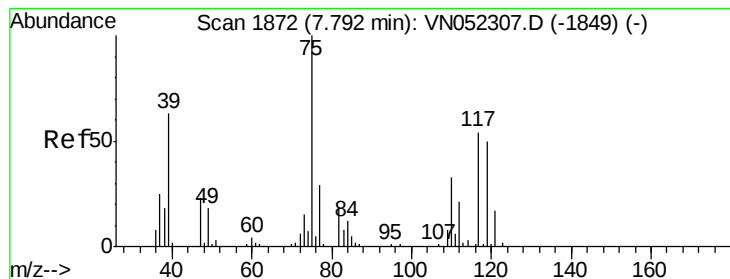
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1810
 Delta R.T. -0.00 min
 Lab File: VN052344.D
 Acq: 15 Nov 2018 16:13

Tgt Ion:113 Resp: 161320
 Ion Ratio Lower Upper
 113 100
 111 104.2 81.0 121.6
 192 17.7 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: 5.361 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

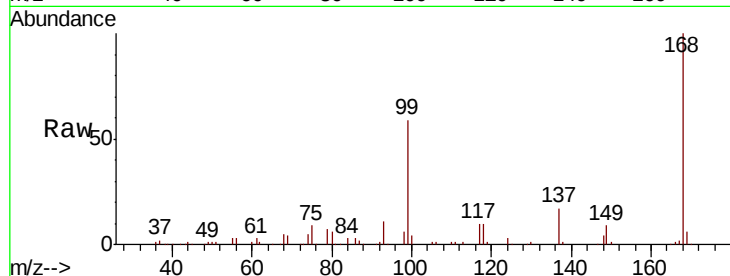
Tot Ion: 75 Resp: 27507

Ion Ratio Lower Upper

75 100

110 9.2 16.5 49.5#

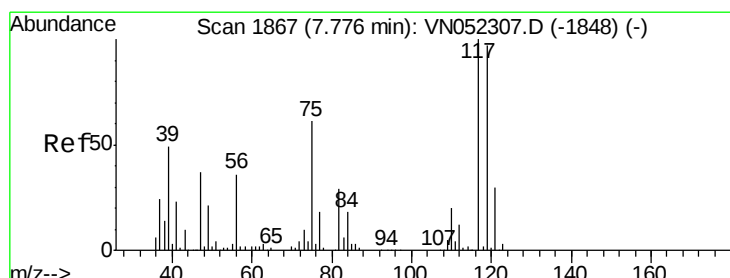
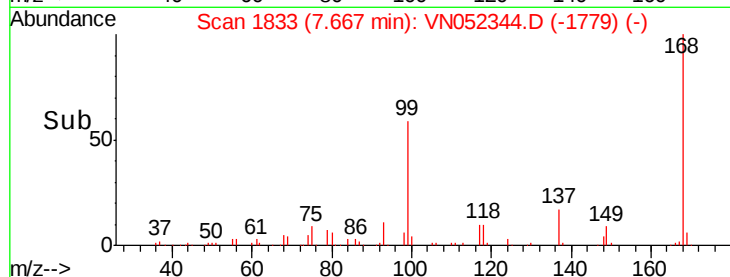
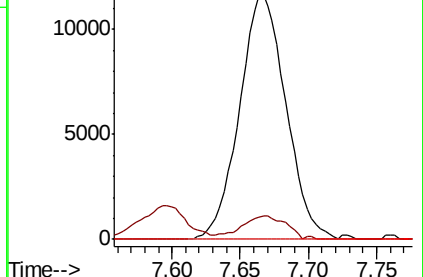
77 0.0 24.2 36.2#



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: 6.700 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

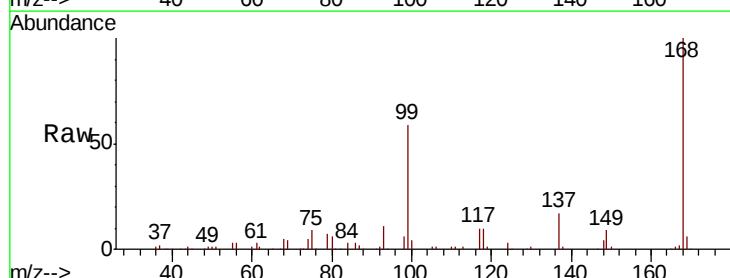
Tgt Ion: 117 Resp: 31588

Ion Ratio Lower Upper

117 100

119 5.4 77.4 116.0#

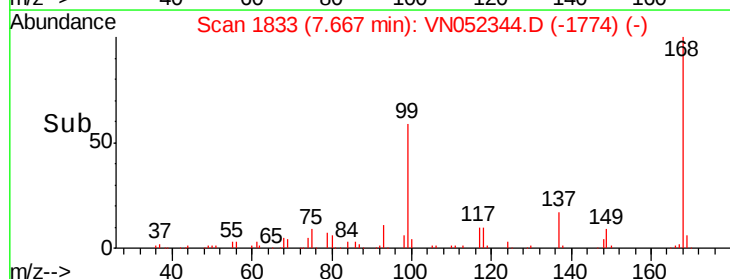
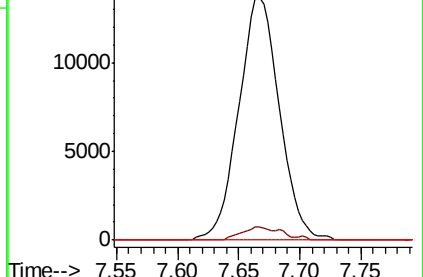
121 0.0 24.0 36.0#

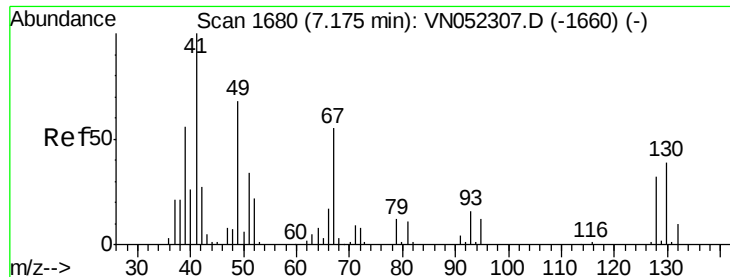


Abundance Ion 116.80 (116.50 to 117.50): VN052307.D (-1848) (-)

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: 3.909 ug/l

RT: 7.17 min Scan# 1677

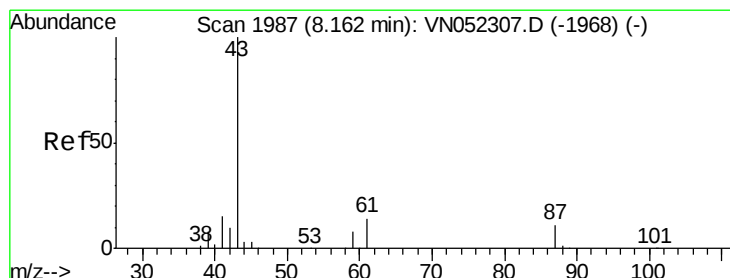
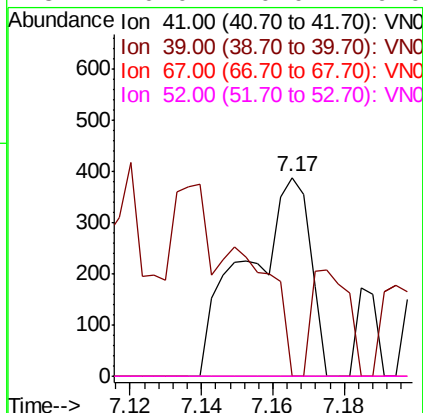
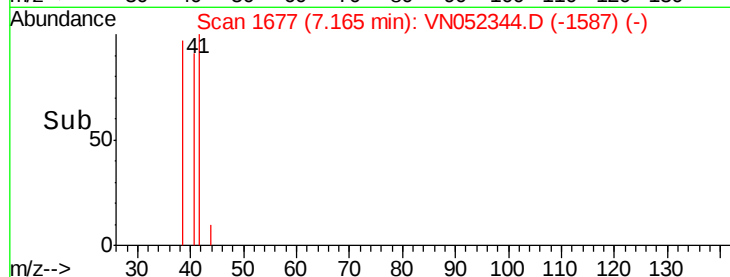
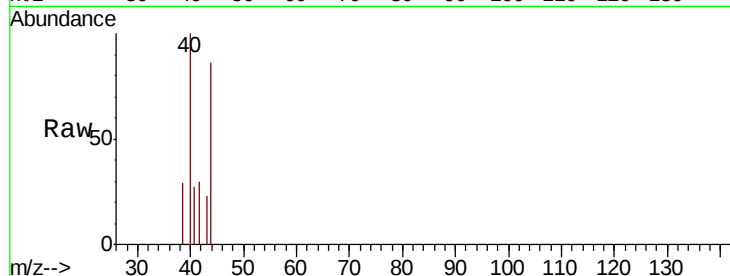
Delta R.T. -0.01 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:	41	Resp:	478
Ion	Ratio	Lower	Upper
41	100		
39	30.3	0.0	0.0#
67	0.0	0.0	0.0
52	0.0	0.0	0.0



#43

Isopropyl Acetate

Concen: 1.552 ug/l

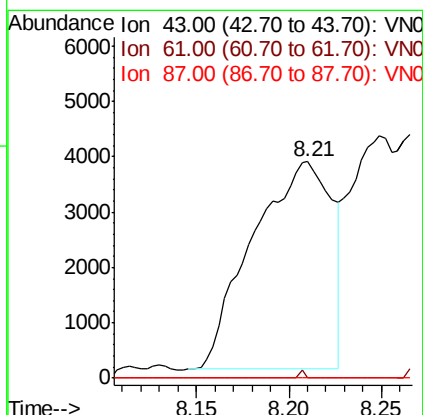
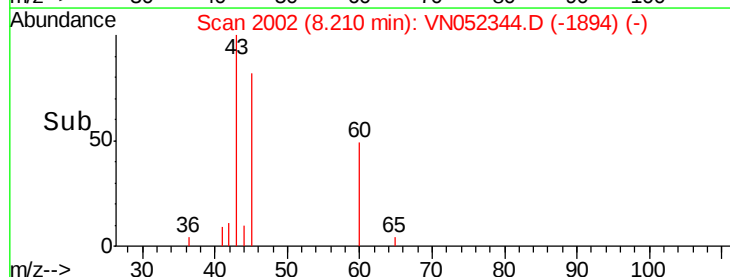
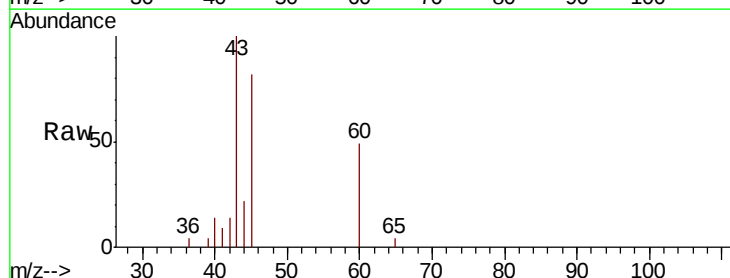
RT: 8.21 min Scan# 2002

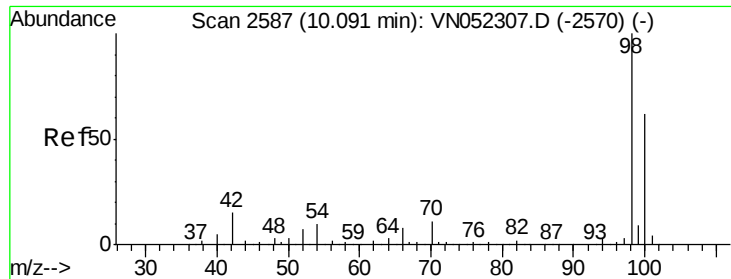
Delta R.T. 0.05 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

Tgt Ion:	43	Resp:	11155
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: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

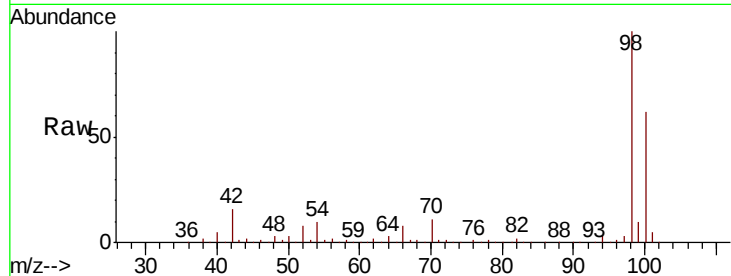
ClientSampled :

Tot Ion: 98 Resp: 633395

Ion Ratio Lower Upper

98 100

100 62.2 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

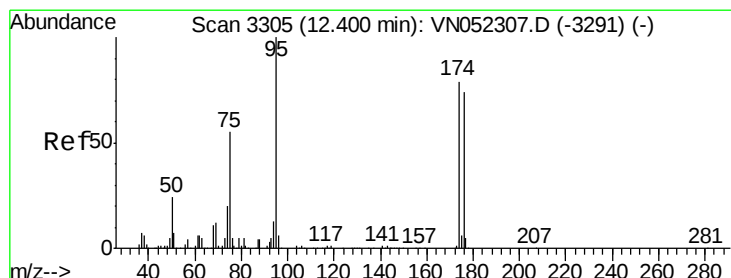
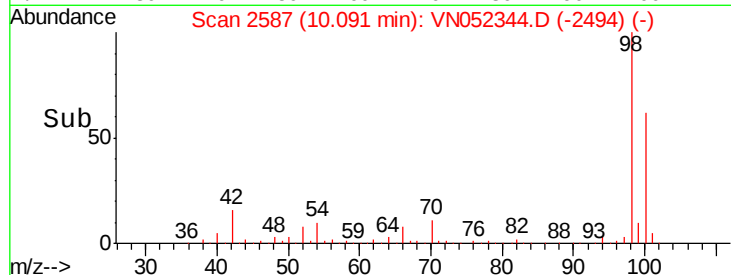
300000

200000

100000

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.00 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

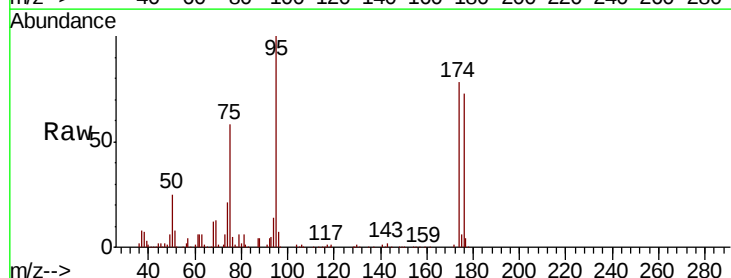
Tgt Ion: 95 Resp: 179958

Ion Ratio Lower Upper

95 100

174 78.4 0.0 156.0

176 73.9 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

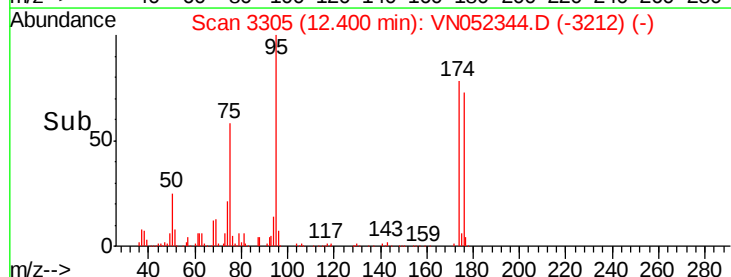
150000

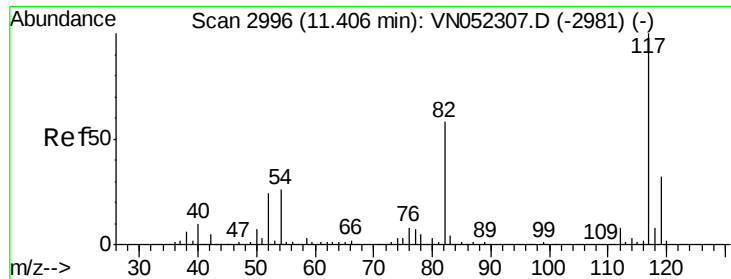
100000

50000

0

Time-->

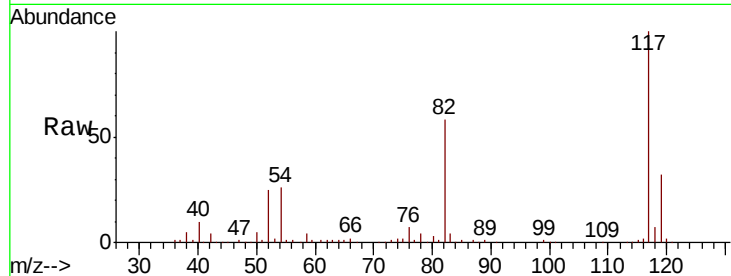




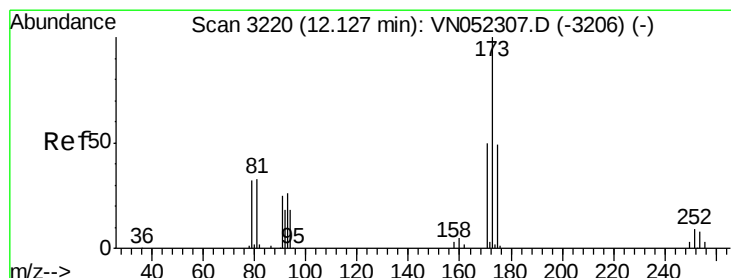
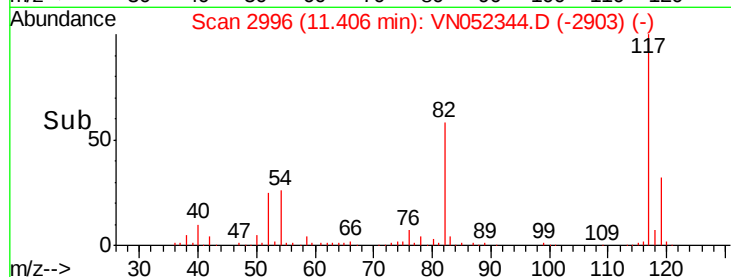
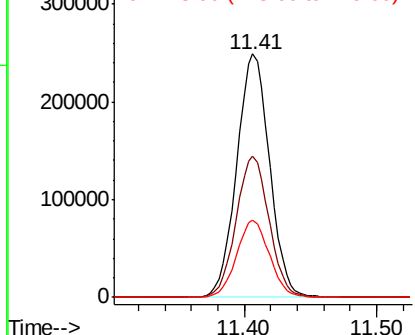
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN052344.D
Acq: 15 Nov 2018 16:13

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:117 Resp: 429020
Ion Ratio Lower Upper
117 100
82 57.8 46.5 69.7
119 31.7 25.7 38.5

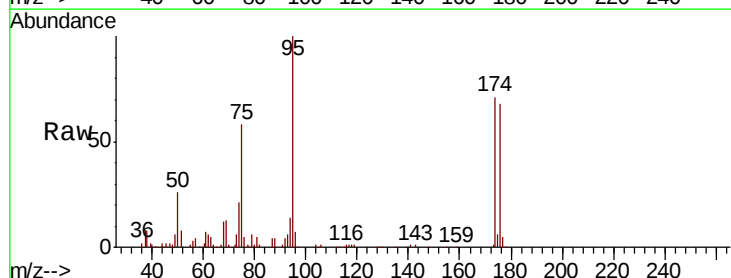


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

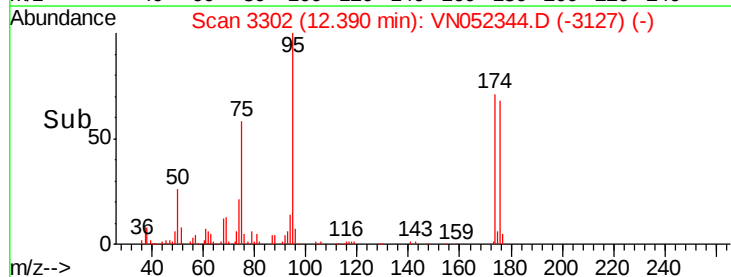
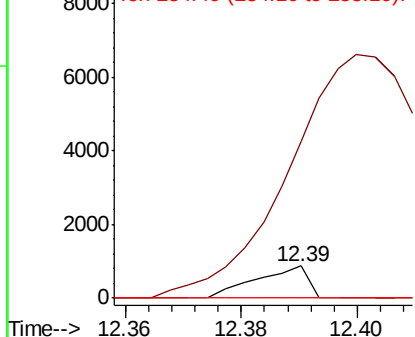


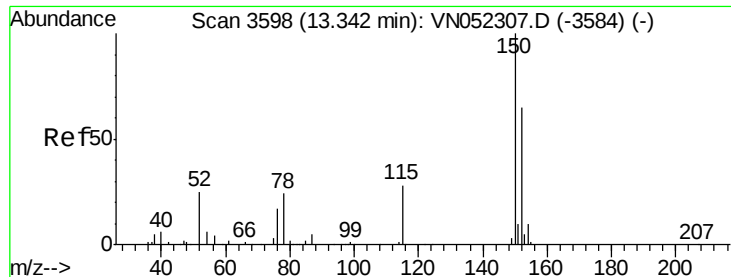
#71
Bromoform
Concen: 0.292 ug/l
RT: 12.39 min Scan# 3302
Delta R.T. 0.26 min
Lab File: VN052344.D
Acq: 15 Nov 2018 16:13

Tgt Ion:173 Resp: 533
Ion Ratio Lower Upper
173 100
175 1896.4 25.0 75.0#
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: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

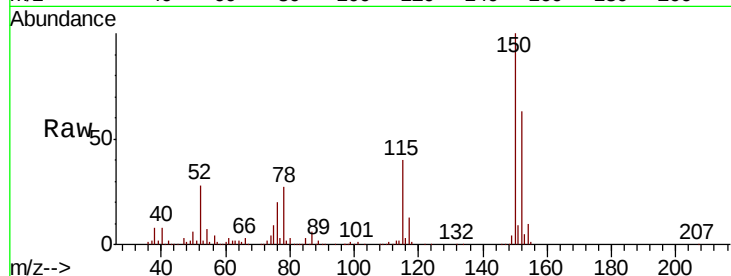
Tot Ion:152 Resp: 145815

Ion Ratio Lower Upper

152 100

115 62.7 30.3 91.0

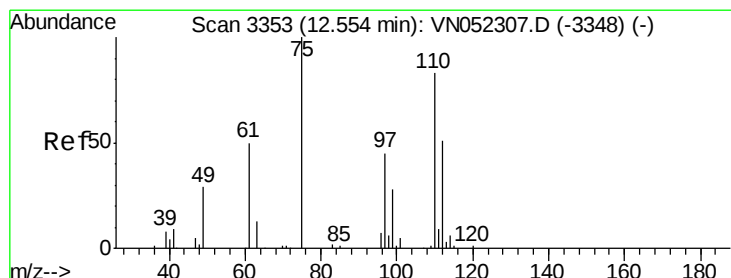
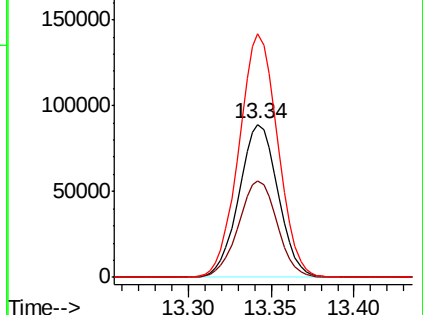
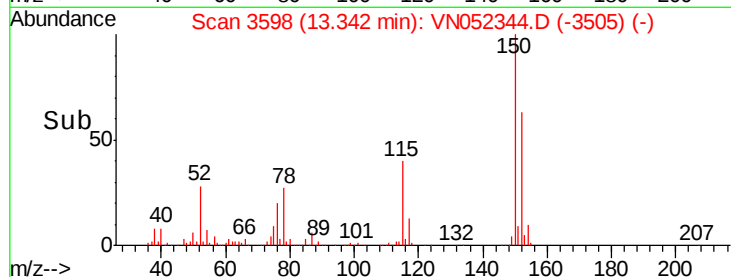
150 158.4 0.0 348.2



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: 41.796 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052344.D

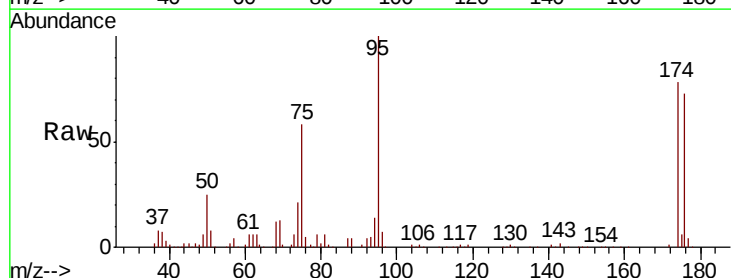
Acq: 15 Nov 2018 16:13

Tgt Ion: 75 Resp: 103412

Ion Ratio Lower Upper

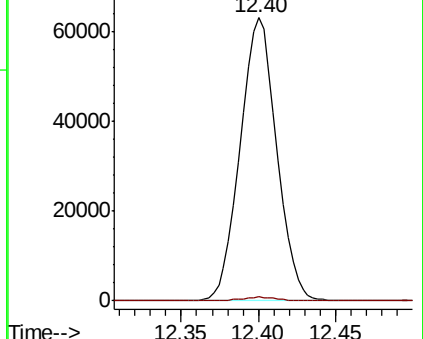
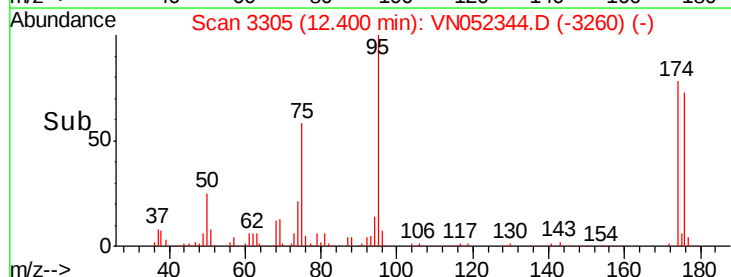
75 100

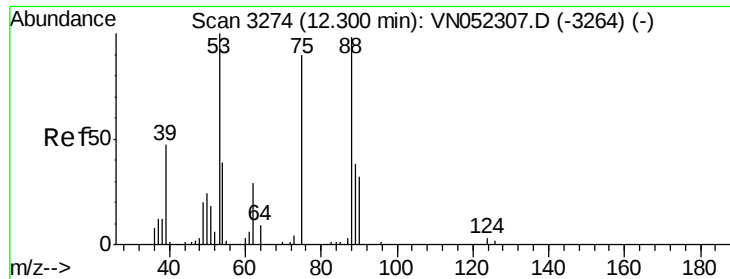
77 1.2 0.0 0.0#



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: 135.561 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052344.D

Acq: 15 Nov 2018 16:13

Instrument :

MSVOA_N

ClientSampleId :

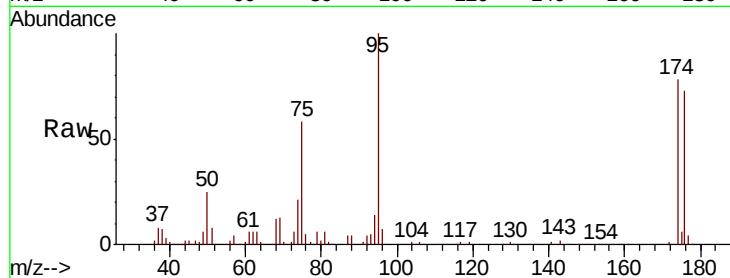
Tot Ion: 75 Resp: 103412

Ion Ratio Lower Upper

75 100

53 0.0 90.2 135.2#

89 0.0 35.4 53.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

