

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN121818\
 Data File : VN052990.D
 Acq On : 19 Dec 2018 5:06
 Operator : MD\SY
 Sample : J6464-06
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 43 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VB16202

Quant Time: Dec 19 05:49:29 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 18 13:03:37 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1328848	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2046344	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1841309	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	793772	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	658035	48.80	ug/l	0.00
Spiked Amount			Recovery	=	97.60%	
35) Dibromofluoromethane	7.59	113	540909	57.87	ug/l	0.00
Spiked Amount			Recovery	=	115.74%	
50) Toluene-d8	10.09	98	2497231	49.76	ug/l	0.00
Spiked Amount			Recovery	=	99.52%	
62) 4-Bromofluorobenzene	12.40	95	844150	47.92	ug/l	0.00
Spiked Amount			Recovery	=	95.84%	

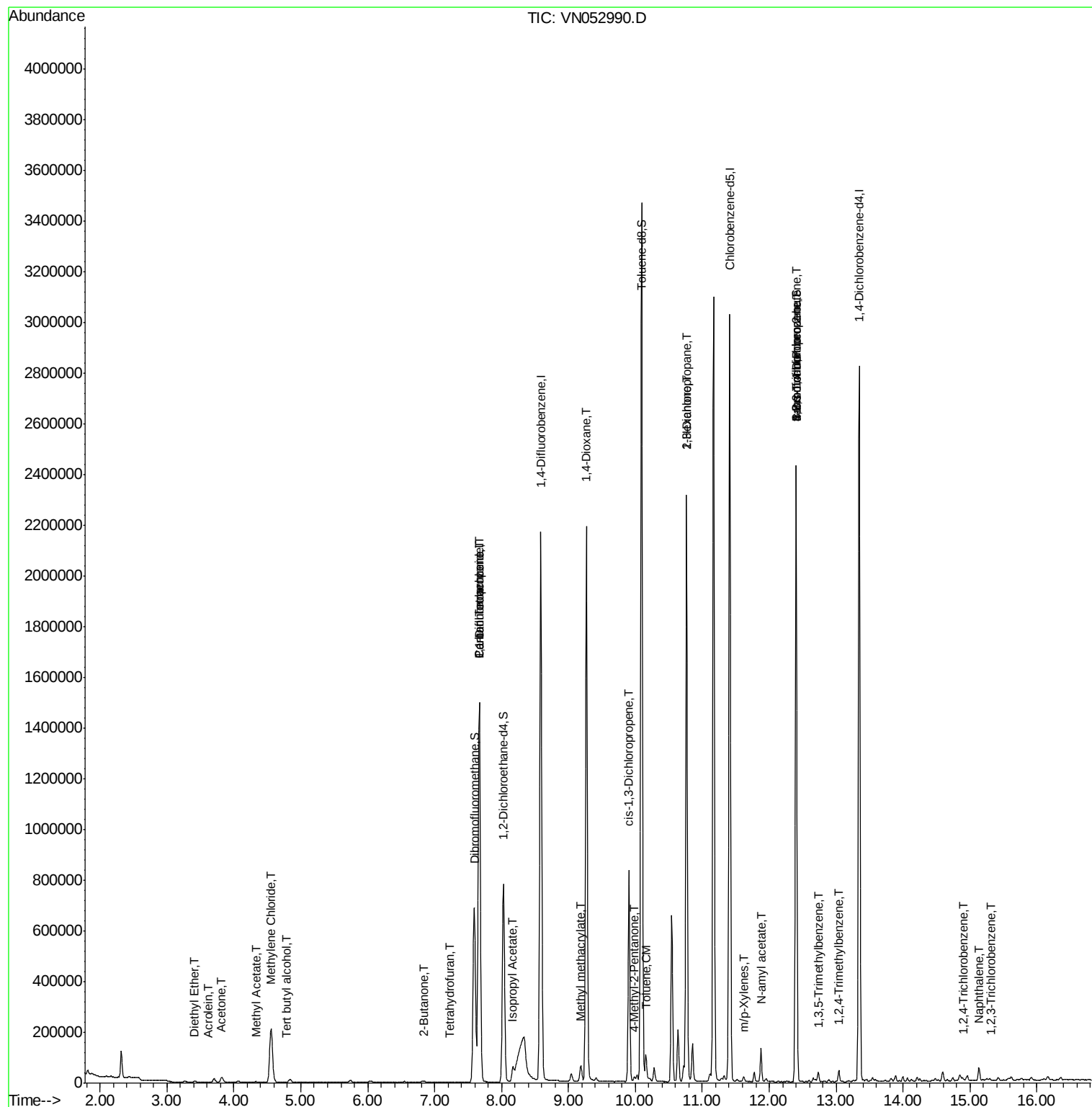
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
8) Diethyl Ether	3.41	74	2489	0.321	ug/l	82
11) Tert butyl alcohol	4.78	59	249	0.303	ug/l #	74
13) Acrolein	3.61	56	158	0.212	ug/l #	1
16) Acetone	3.82	43	35671	13.491	ug/l	96
18) Methyl Acetate	4.33	43	8186	1.661	ug/l #	87
20) Methylene Chloride	4.56	84	165253	11.458	ug/l	97
25) 2-Butanone	6.84	43	2772	0.625	ug/l	96
29) Tetrahydrofuran	7.22	42	1197	0.361	ug/l #	60
31) Cyclohexane	7.67	56	21759	Below Cal	#	1
36) 1,1-Dichloropropene	7.67	75	88397	4.501	ug/l #	48
38) Carbon Tetrachloride	7.67	117	115183	6.398	ug/l #	16
43) Isopropyl Acetate	8.17	43	73058	2.450	ug/l #	80
48) Methyl methacrylate	9.18	41	23466	2.205	ug/l #	23
49) 1,4-Dioxane	9.27	88	350	2.600	ug/l #	1
51) 4-Methyl-2-Pentanone	9.98	43	11289	1.063	ug/l	100
52) Toluene	10.16	92	47199	1.303	ug/l	96
54) cis-1,3-Dichloropropene	9.90	75	157095	6.907	ug/l #	60
57) 1,3-Dichloropropane	10.76	76	24689	1.140	ug/l #	42
59) 2-Hexanone	10.76	43	327836	45.632	ug/l #	50
68) m/p-Xylenes	11.62	106	6066	0.227	ug/l	90
71) Bromoform	12.40	173	5494	0.536	ug/l #	1
74) N-amyl acetate	11.88	43	38931	2.258	ug/l #	52
76) 1,2,3-Trichloropropane	12.40	75	397015	29.712	ug/l #	100
80) 1,3,5-Trimethylbenzene	12.73	105	19232	0.380	ug/l	98
81) trans-1,4-Dichloro-2-buten	12.40	75	397015	95.764	ug/l #	12
84) 1,2,4-Trimethylbenzene	13.04	105	27692	0.544	ug/l	100
93) 1,2,4-Trichlorobenzene	14.91	180	658	0.642	ug/l #	75
95) Naphthalene	15.14	128	45919	2.584	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	357	0.535	ug/l #	1

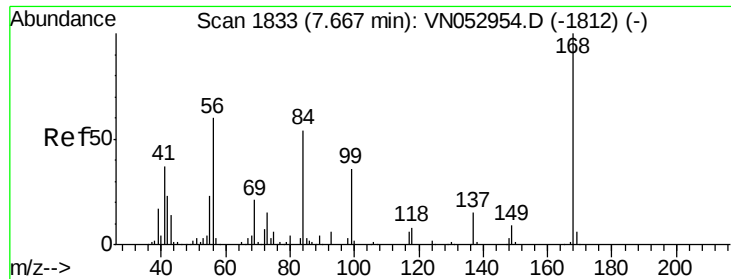
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Dec 18 13:03:37 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: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

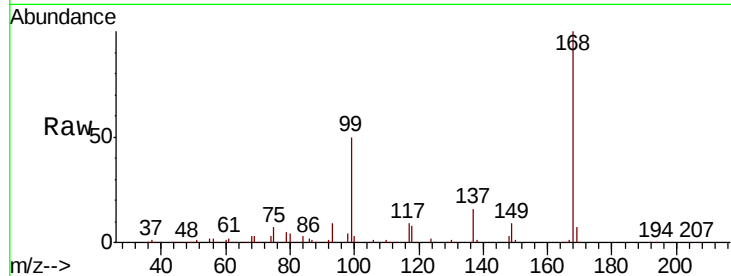
VB16202

Tot Ion:168 Resp: 1328848

Ion Ratio Lower Upper

168 100

99 49.8 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

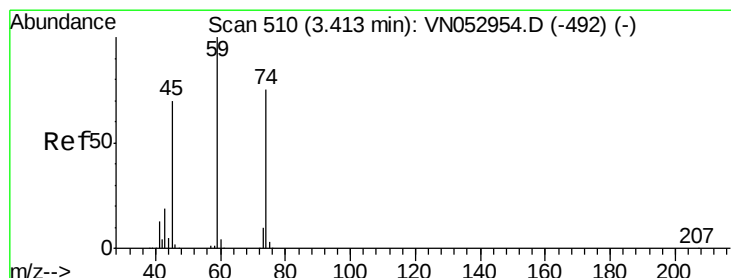
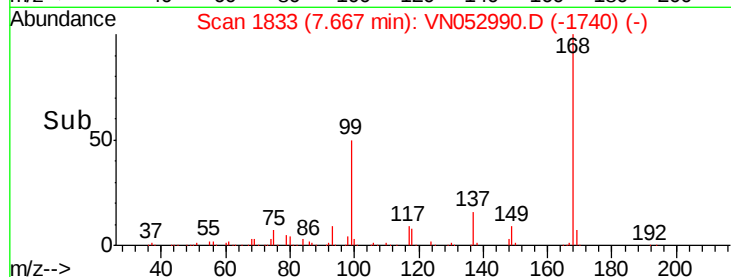
300000

200000

100000

0

Time--> 7.50 7.60 7.70 7.80



#8

Diethyl Ether

Concen: 0.321 ug/l

RT: 3.41 min Scan# 509

Delta R.T. -0.00 min

Lab File: VN052990.D

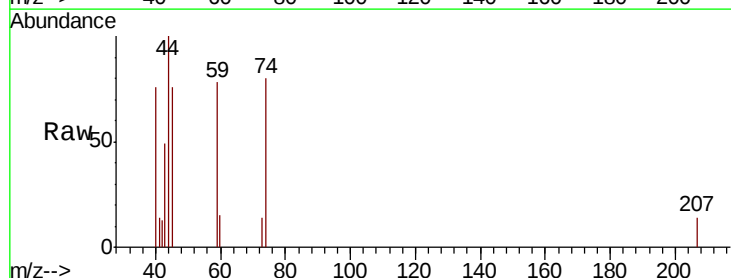
Acq: 19 Dec 2018 5:06

Tgt Ion: 74 Resp: 2489

Ion Ratio Lower Upper

74 100

45 81.2 49.4 148.0



Abundance Ion 74.00 (73.70 to 74.70): VNO

Ion 45.00 (44.70 to 45.70): VNO

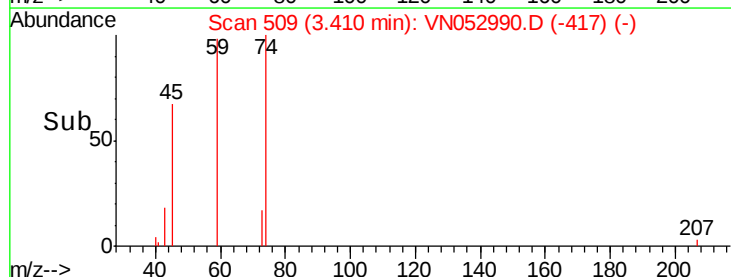
1500

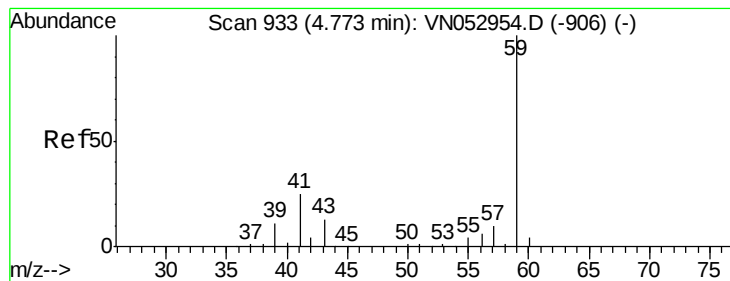
1000

500

0

Time--> 3.35 3.40 3.45



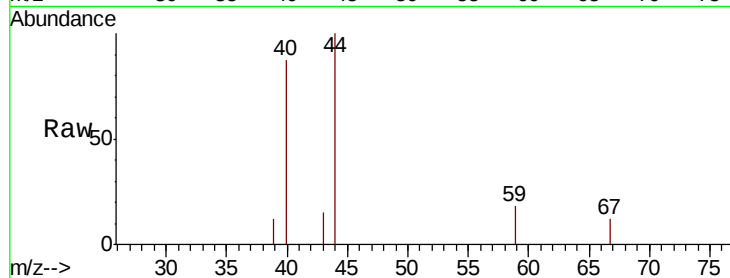


#11

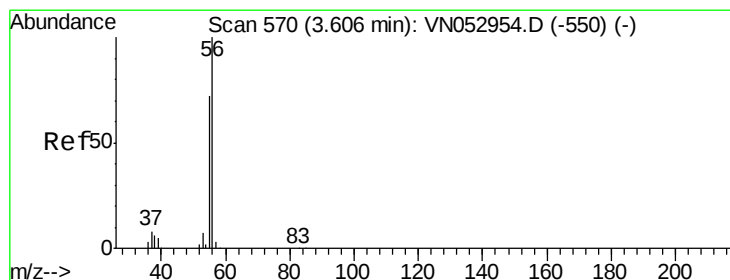
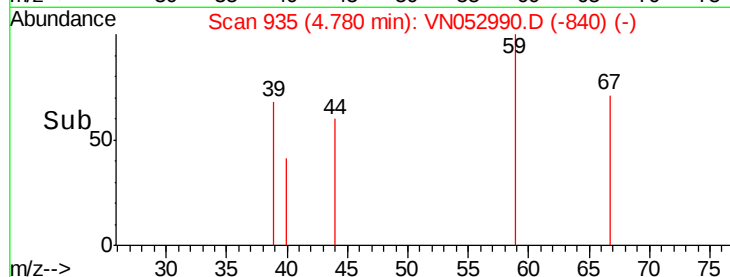
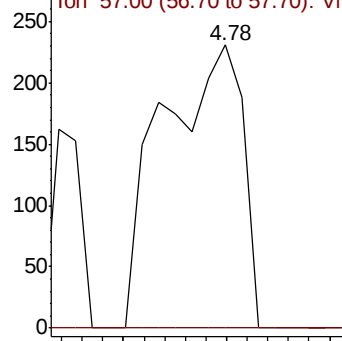
Tert butyl alcohol
 Concen: 0.303 ug/l
 RT: 4.78 min Scan# 935
 Delta R.T. 0.01 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Instrument :
 MSVOA_N
 ClientSampled :
 VB16202

Tot Ion: 59 Resp: 249
 Ion Ratio Lower Upper
 59 100
 57 0.0 7.7 11.5#



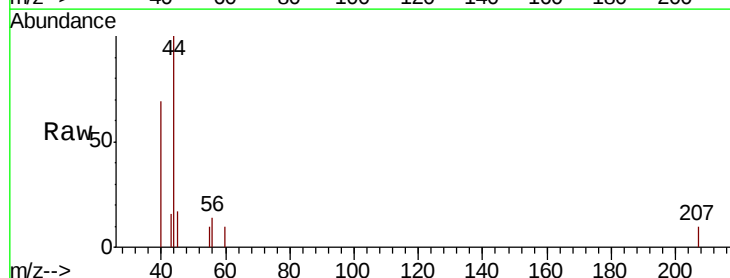
Abundance Ion 59.00 (58.70 to 59.70): VN0
 Ion 57.00 (56.70 to 57.70): VN0



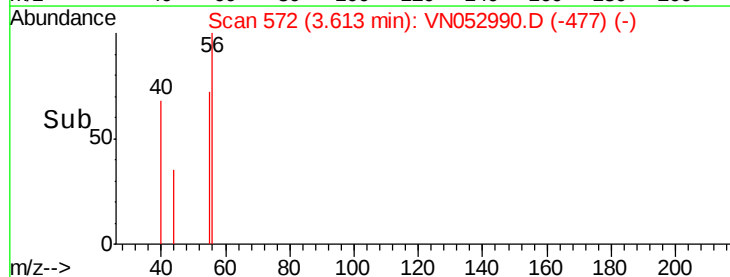
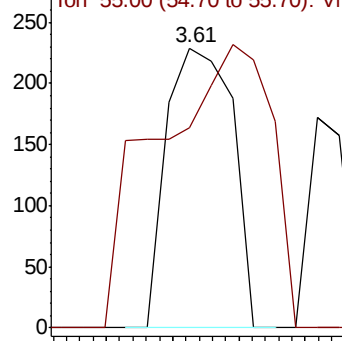
#13

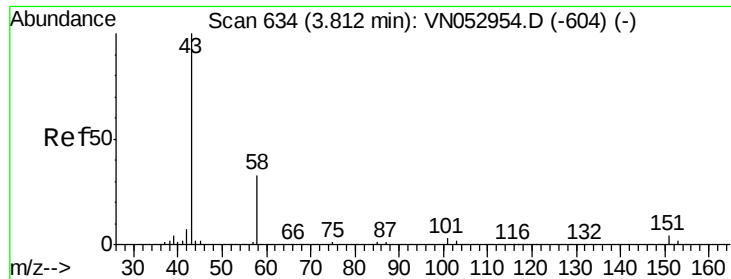
Acrolein
 Concen: 0.212 ug/l
 RT: 3.61 min Scan# 572
 Delta R.T. 0.01 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Tgt Ion: 56 Resp: 158
 Ion Ratio Lower Upper
 56 100
 55 175.9 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0
 Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 13.491 ug/l

RT: 3.82 min Scan# 635

Delta R.T. 0.00 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

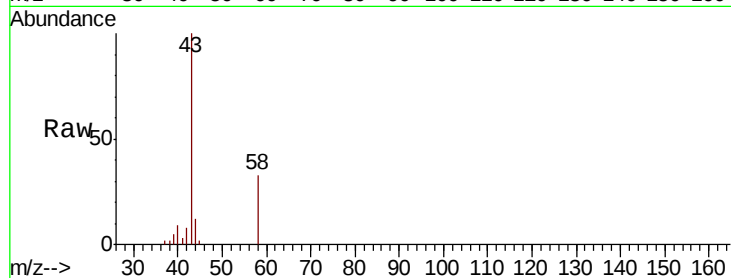
VB16202

Tot Ion: 43 Resp: 35671

Ion Ratio Lower Upper

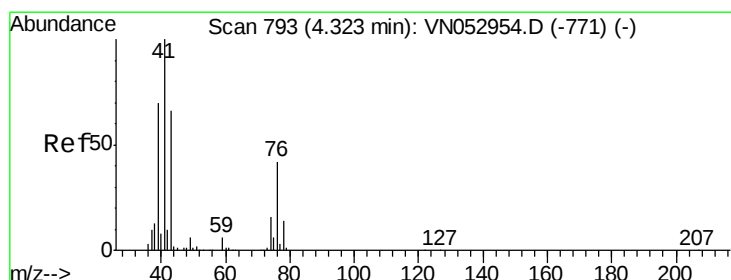
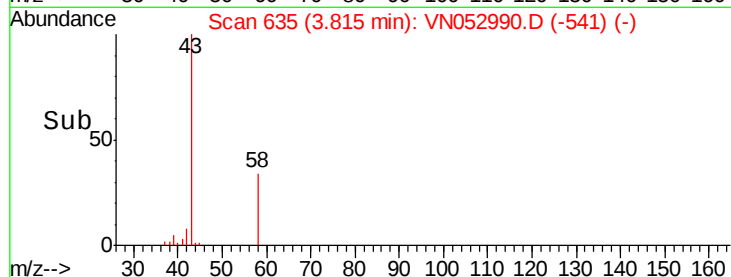
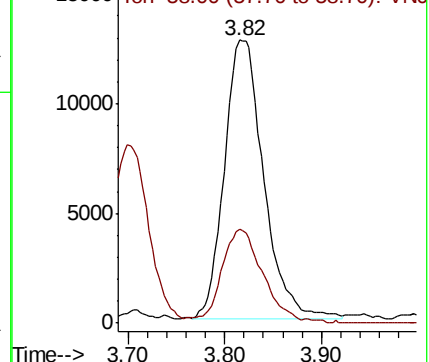
43 100

58 33.8 25.4 38.0



Abundance Ion 43.00 (42.70 to 43.70): VN052990.D (-541) (-)

Ion 58.00 (57.70 to 58.70): VN052990.D (-541) (-)



#18

Methyl Acetate

Concen: 1.661 ug/l

RT: 4.33 min Scan# 796

Delta R.T. 0.01 min

Lab File: VN052990.D

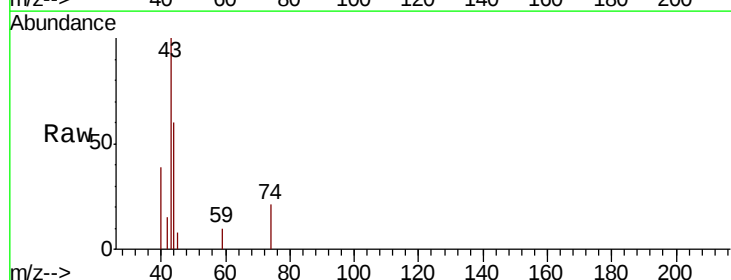
Acq: 19 Dec 2018 5:06

Tgt Ion: 43 Resp: 8186

Ion Ratio Lower Upper

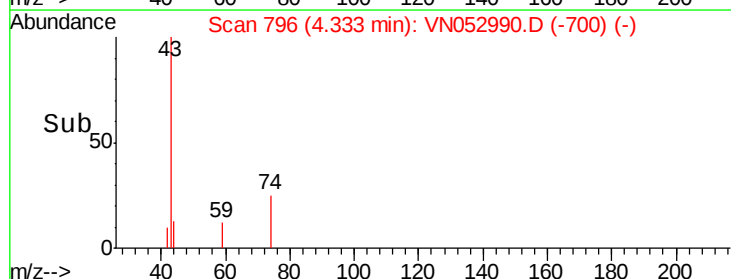
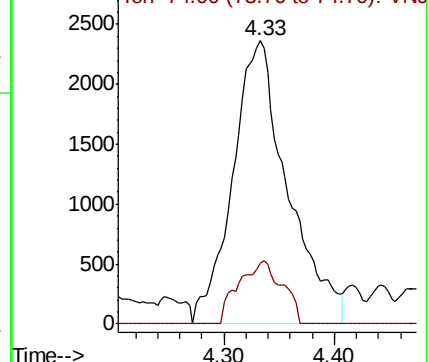
43 100

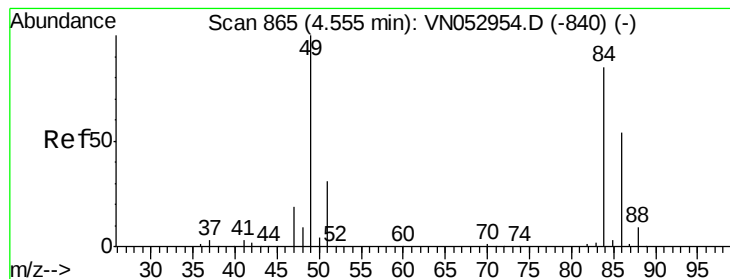
74 17.4 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN052990.D (-700) (-)

Ion 74.00 (73.70 to 74.70): VN052990.D (-700) (-)





#20

Methvlene Chloride

Concen: 11.458 ug/l

RT: 4.56 min Scan# 866

Delta R.T. 0.00 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

VB16202

Tot Ion: 84 Resp: 165253

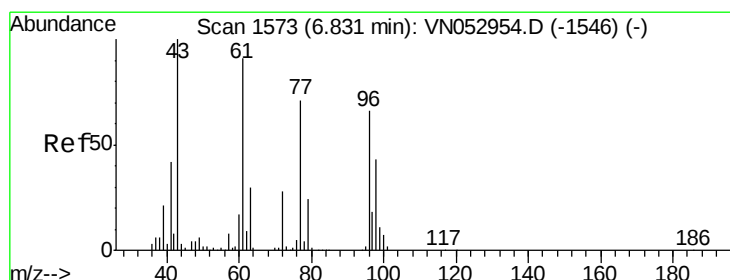
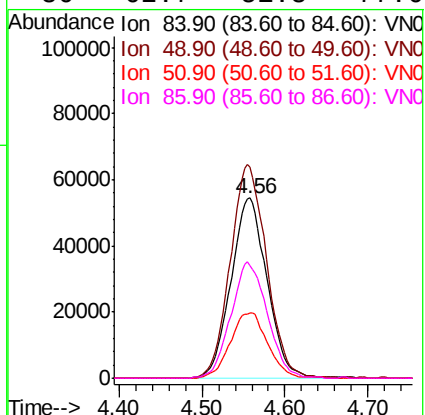
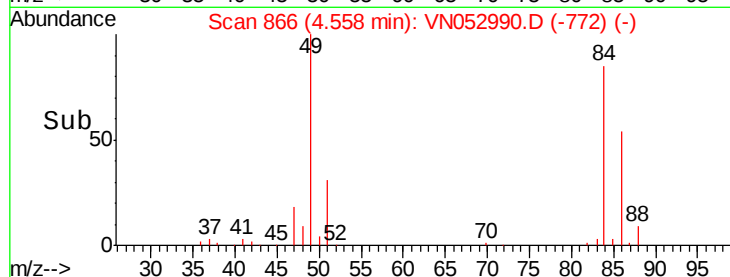
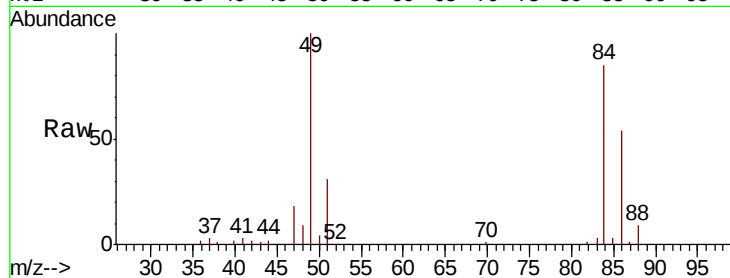
Ion Ratio Lower Upper

84 100

49 117.1 96.8 145.2

51 36.2 29.9 44.9

86 62.7 51.8 77.6



#25

2-Butanone

Concen: 0.625 ug/l

RT: 6.84 min Scan# 1575

Delta R.T. 0.01 min

Lab File: VN052990.D

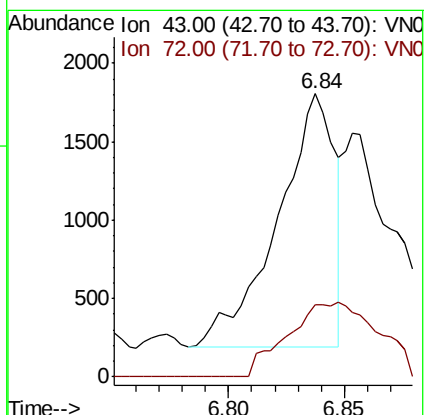
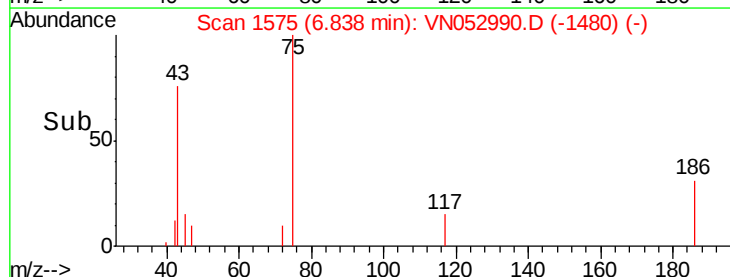
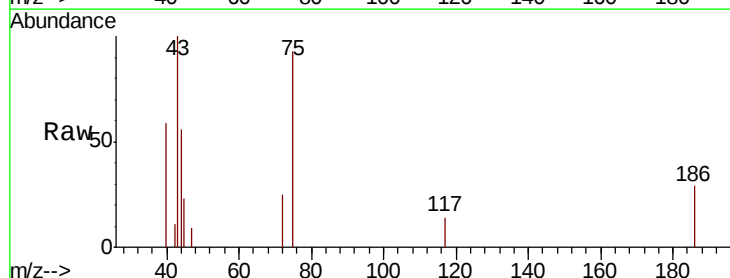
Acq: 19 Dec 2018 5:06

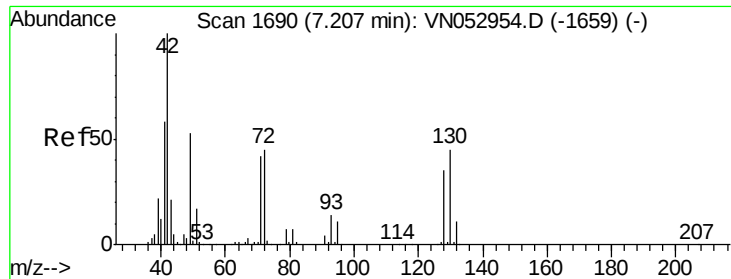
Tgt Ion: 43 Resp: 2772

Ion Ratio Lower Upper

43 100

72 28.3 21.0 31.6

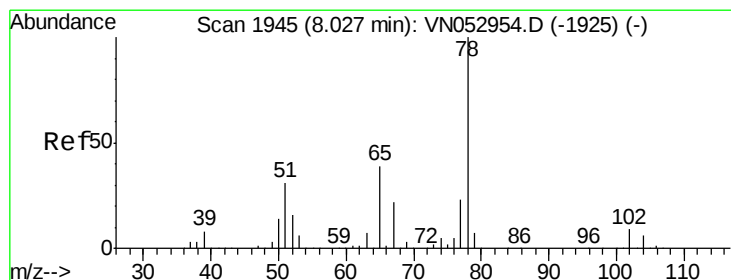
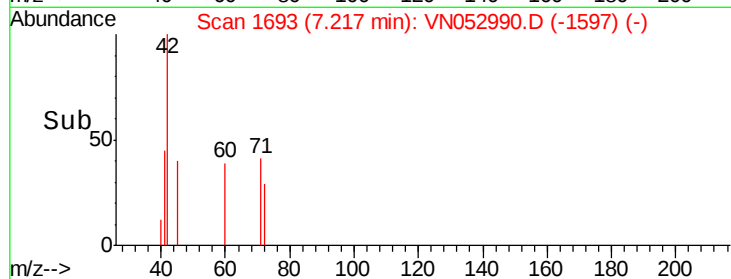
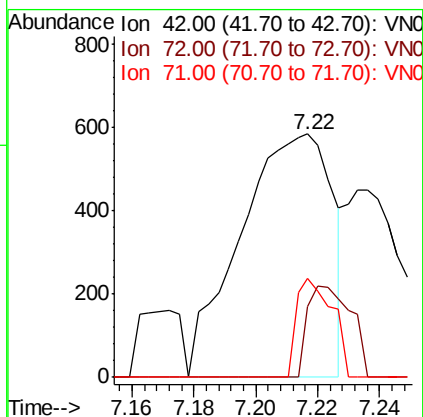
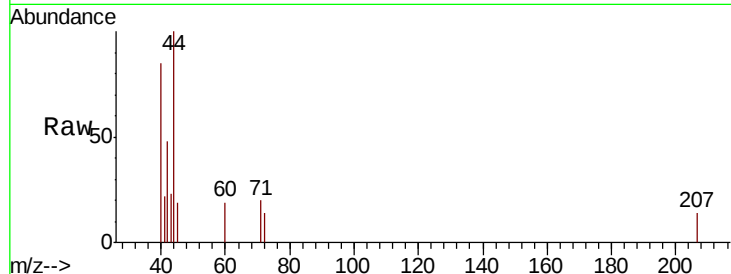




#29
Tetrahydrofuran
Concen: 0.361 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

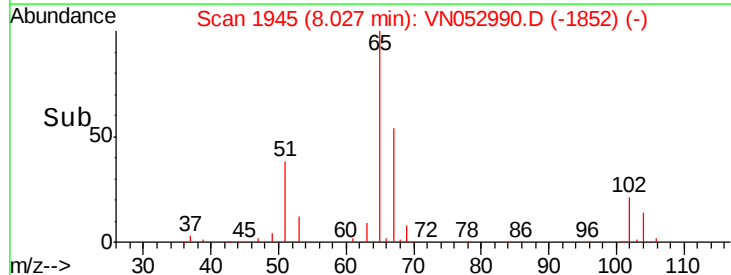
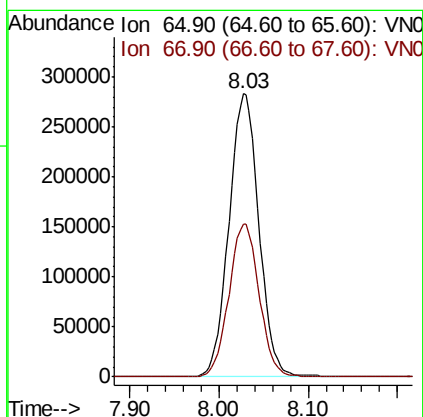
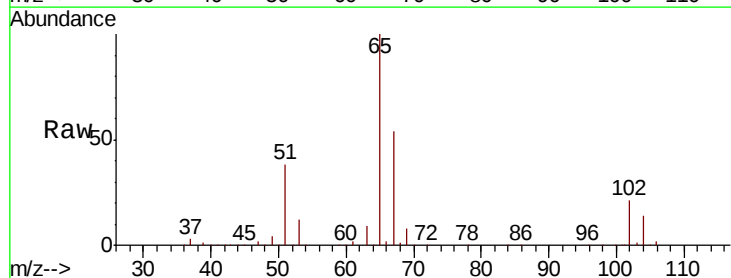
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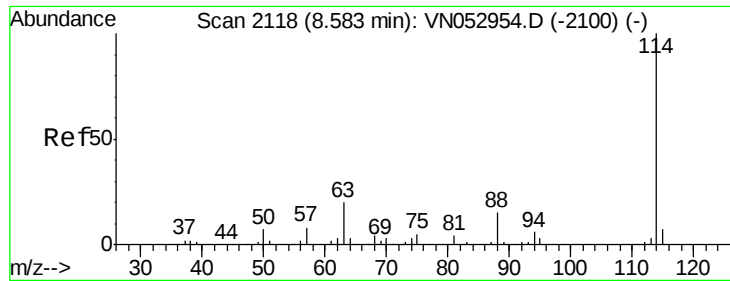
Tot Ion: 42 Resp: 1197
Ion Ratio Lower Upper
42 100
72 17.8 34.7 52.1#
71 15.8 32.3 48.5#



#33
1,2-Dichloroethane-d4
Concen: Below ug/l
RT: 8.03 min Scan# 1945
Delta R.T. -0.00 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

Tgt Ion: 65 Resp: 658035
Ion Ratio Lower Upper
65 100
67 54.6 0.0 110.4

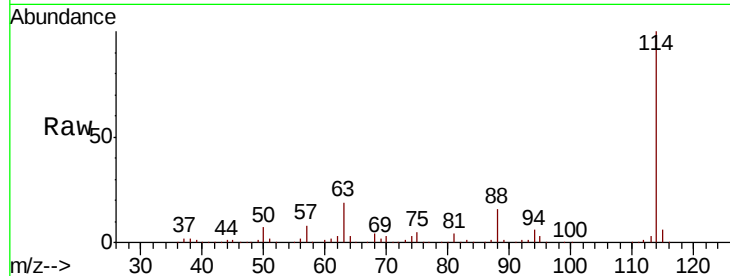




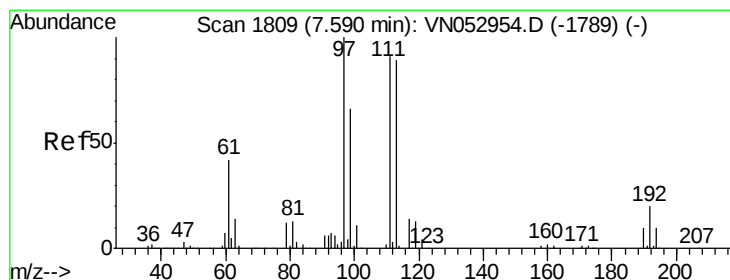
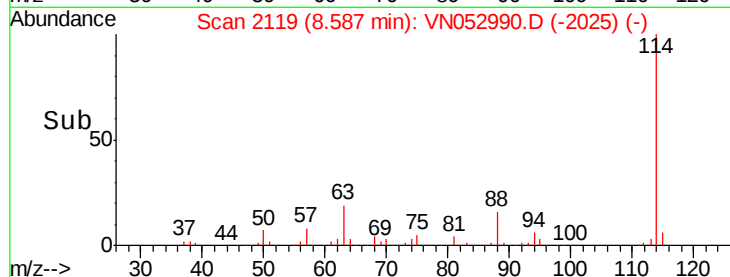
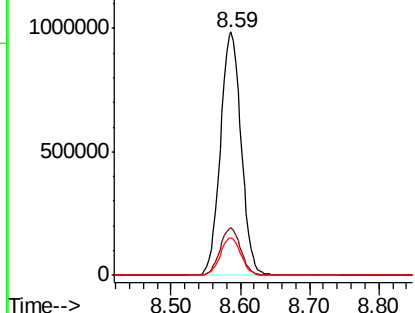
#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VB16202

Tot Ion:114 Resp: 2046344
 Ion Ratio Lower Upper
 114 100
 63 19.4 0.0 39.8
 88 15.6 0.0 31.0

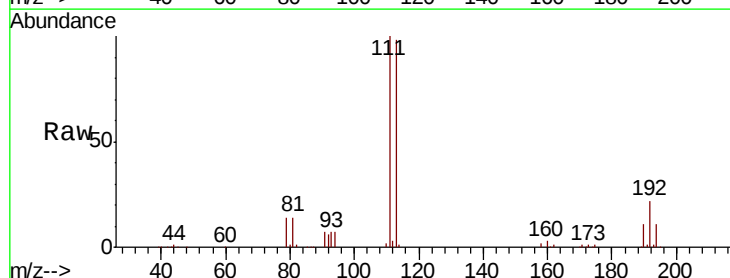


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): V
 Ion 87.90 (87.60 to 88.60): V

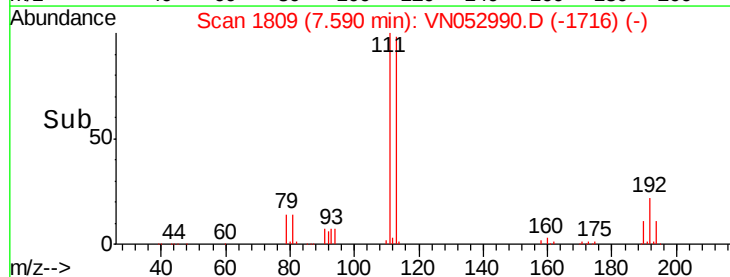
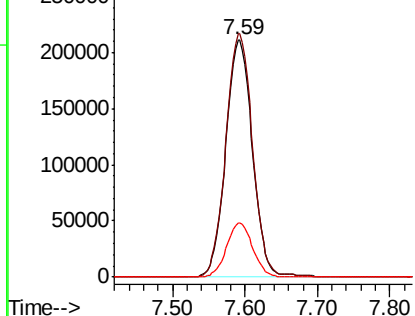


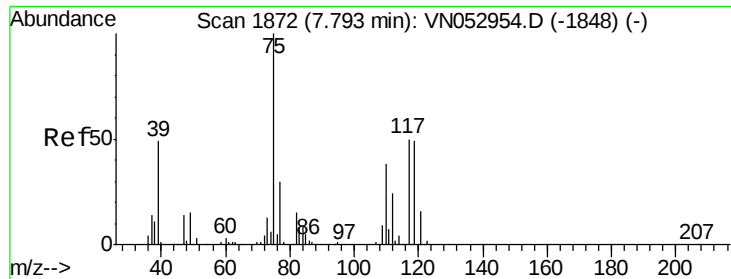
#35
 Dibromofluoromethane
 Concen: 50.000 ug/l
 RT: 7.59 min Scan# 1809
 Delta R.T. -0.00 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Tgt Ion:113 Resp: 540909
 Ion Ratio Lower Upper
 113 100
 111 103.0 83.0 124.4
 192 22.4 17.5 26.3



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

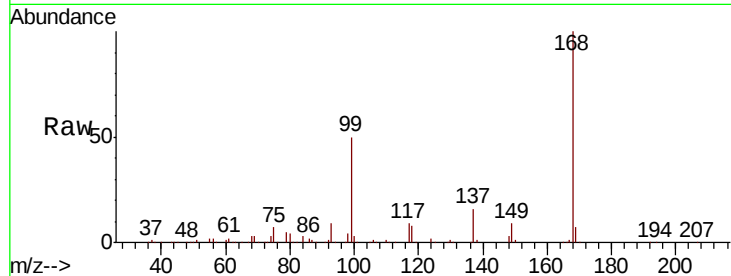




#36
 1,1-Dichloropropene
 Concen: 4.501 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.13 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Instrument :
 MSVOA_N
 ClientSampleId :
 VB16202

Tot Ion	Ratio	Lower	Upper
75	100		
110	7.7	18.2	54.6#
77	0.0	24.9	37.3#

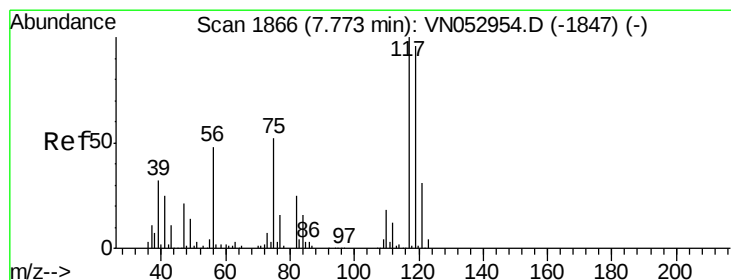
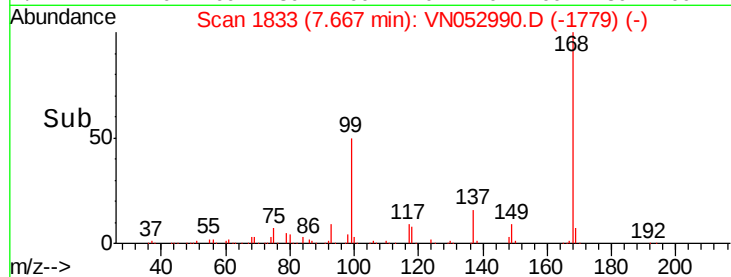
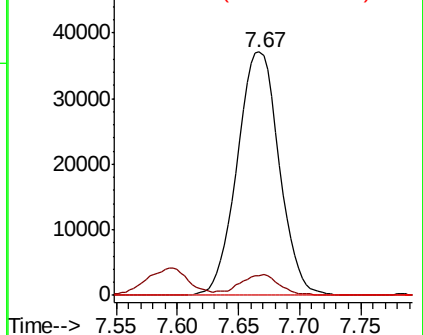


Abundance

Ion 74.90 (74.60 to 75.60): VN052990.D (-1779) (-)

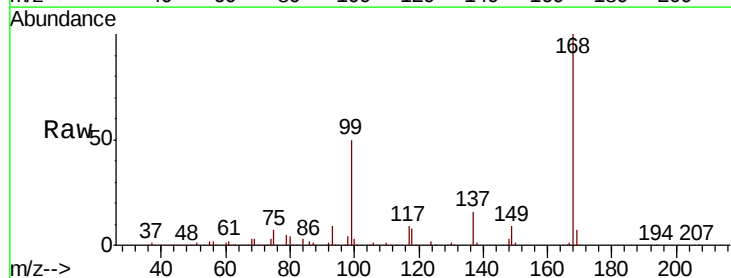
Ion 109.90 (109.60 to 110.60): VN052990.D (-1779) (-)

Ion 76.90 (76.60 to 77.60): VN052990.D (-1779) (-)



#38
 Carbon Tetrachloride
 Concen: 6.398 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Tgt Ion	Ratio	Lower	Upper
117	100		
119	5.1	77.1	115.7#
121	0.0	24.9	37.3#

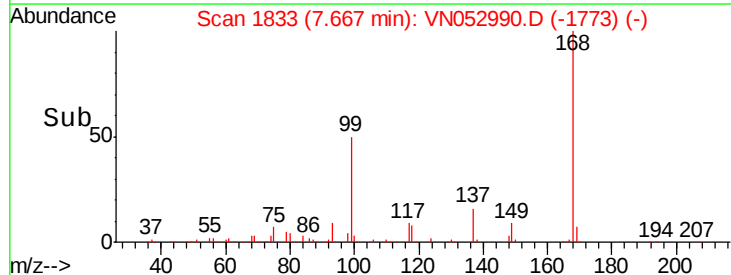
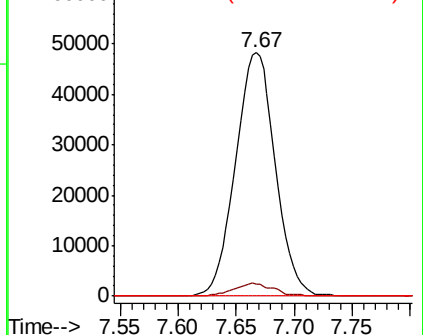


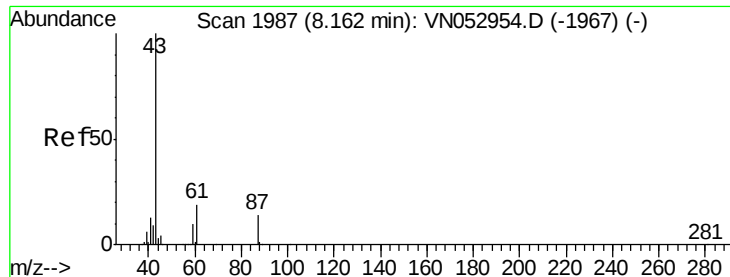
Abundance

Ion 116.80 (116.50 to 117.50): VN052990.D (-1773) (-)

Ion 118.80 (118.50 to 119.50): VN052990.D (-1773) (-)

Ion 120.80 (120.50 to 121.50): VN052990.D (-1773) (-)





#43

Isopropyl Acetate

Concen: 2.450 ug/l

RT: 8.17 min Scan# 1988

Delta R.T. 0.00 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

VB16202

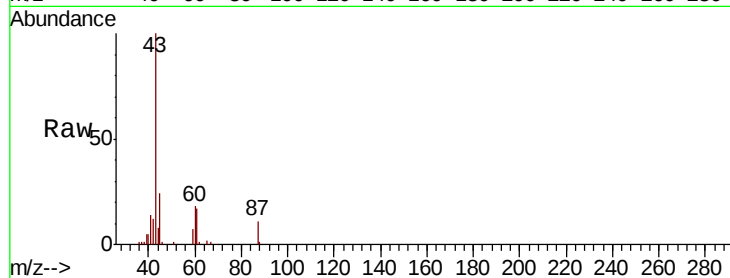
Tot Ion: 43 Resp: 73058

Ion Ratio Lower Upper

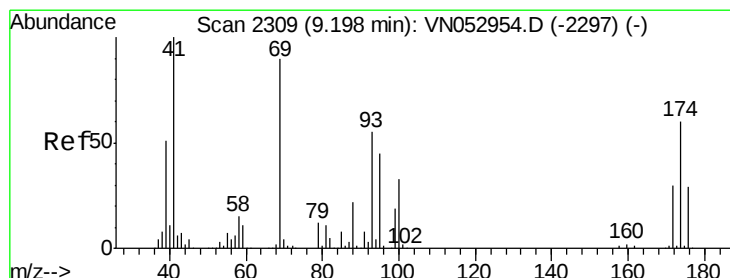
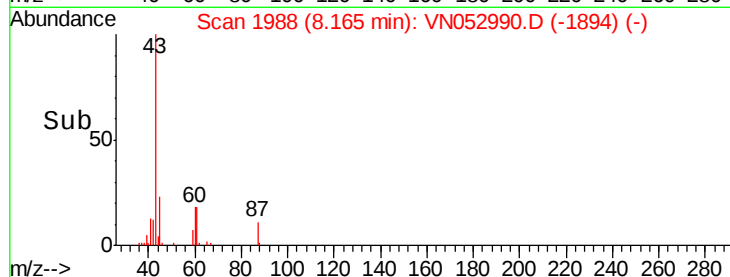
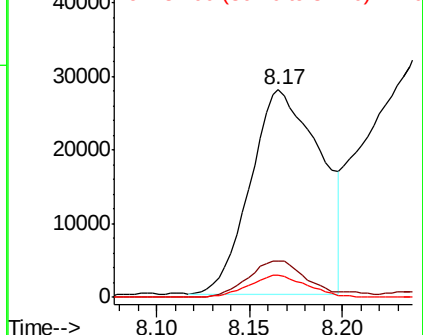
43 100

61 15.8 22.9 34.3#

87 9.0 10.6 15.8#



Abundance Ion 43.00 (42.70 to 43.70): VNC
Ion 61.00 (60.70 to 61.70): VNC
Ion 87.00 (86.70 to 87.70): VNC



#48

Methyl methacrylate

Concen: 2.205 ug/l

RT: 9.18 min Scan# 2303

Delta R.T. -0.02 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

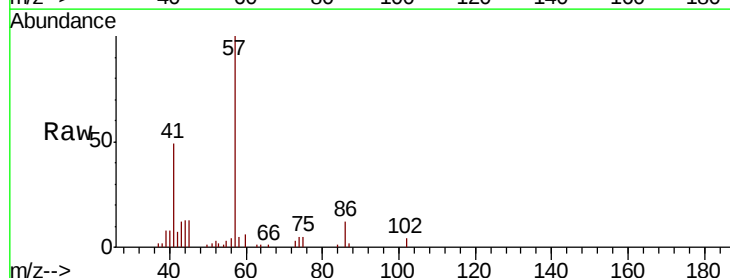
Tgt Ion: 41 Resp: 23466

Ion Ratio Lower Upper

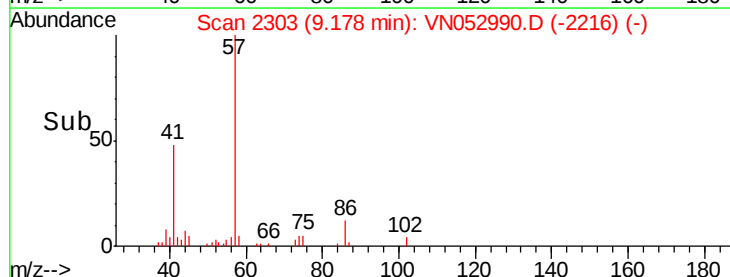
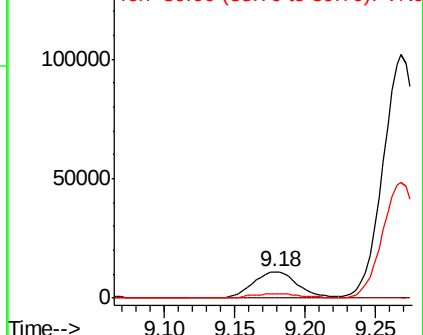
41 100

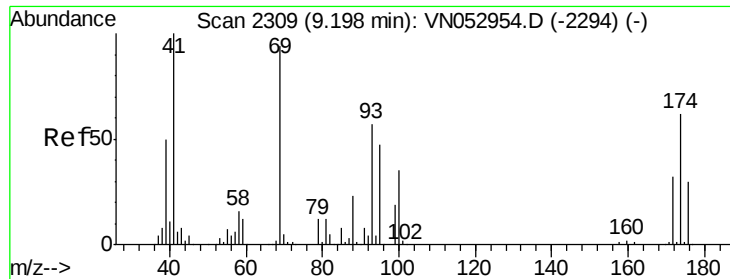
69 0.0 72.2 108.2#

39 20.6 41.9 62.9#



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





#49

1,4-Dioxane

Concen: 2.600 ug/l

RT: 9.27 min Scan# 2330

Delta R.T. 0.07 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

VB16202

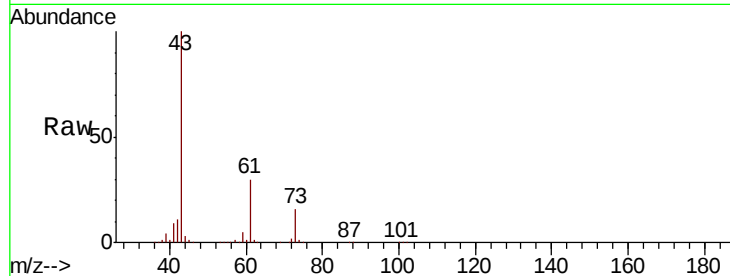
Tot Ion: 88 Resp: 350

Ion Ratio Lower Upper

88 100

43 613011.1 26.6 40.0#

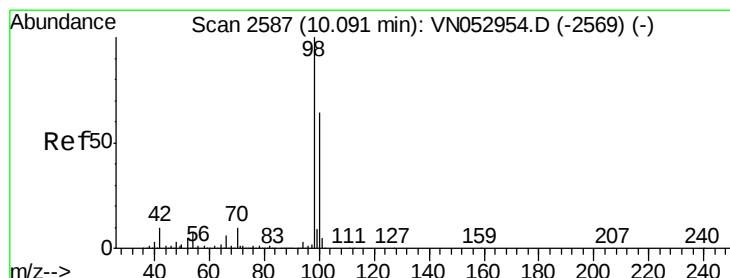
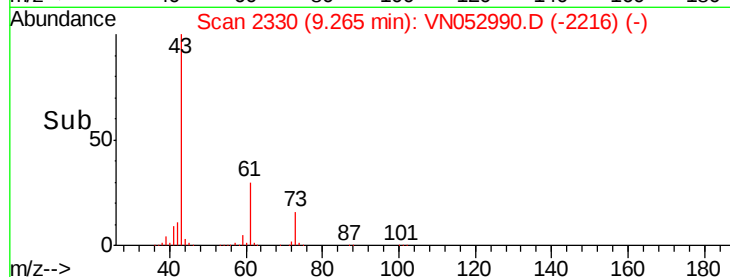
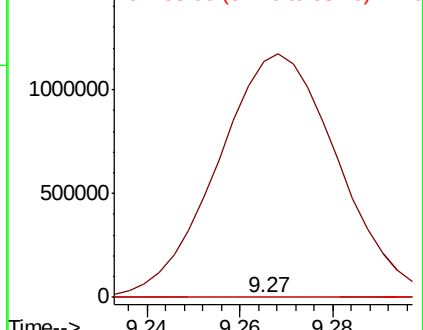
58 2532.3 58.4 87.6#



Abundance Ion 88.00 (87.70 to 88.70): VNC

Ion 43.00 (42.70 to 43.70): VNC

Ion 58.00 (57.70 to 58.70): VNC



#50

Toluene-d8

Concen: 2.600 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN052990.D

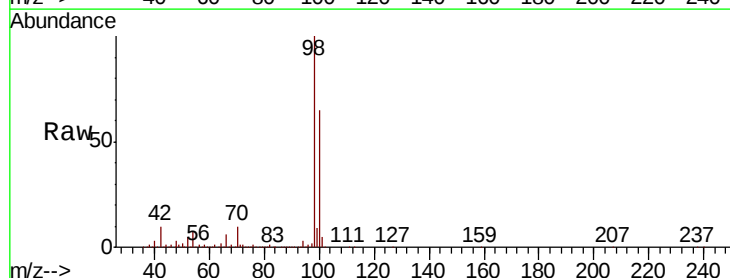
Acq: 19 Dec 2018 5:06

Tgt Ion: 98 Resp: 2497231

Ion Ratio Lower Upper

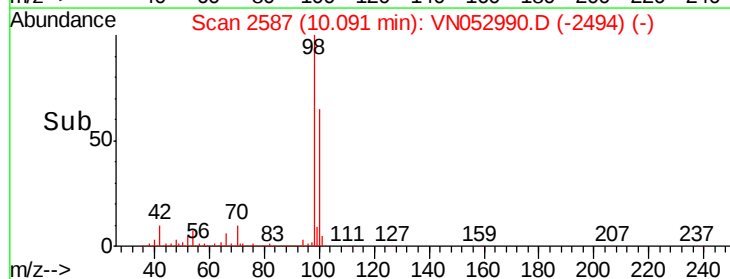
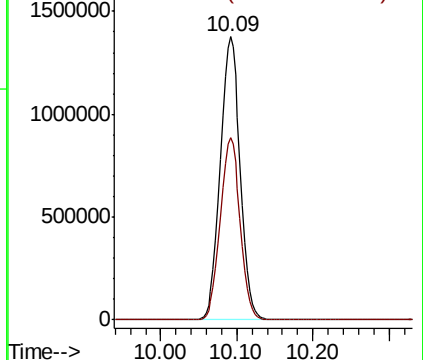
98 100

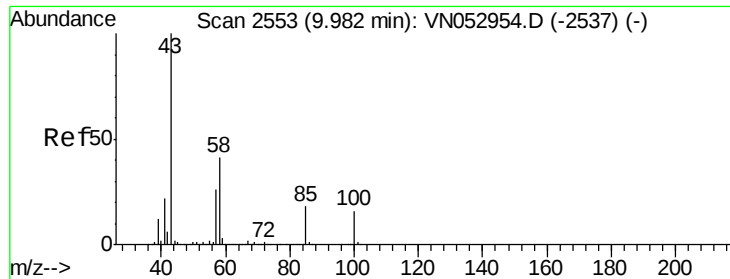
100 64.3 51.6 77.4



Abundance Ion 98.00 (97.70 to 98.70): VNC

Ion 100.00 (99.70 to 100.70): VNC





#51

4-Methyl-2-Pentanone

Concen: 1.063 ug/l

RT: 9.98 min Scan# 2553

Delta R.T. -0.00 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

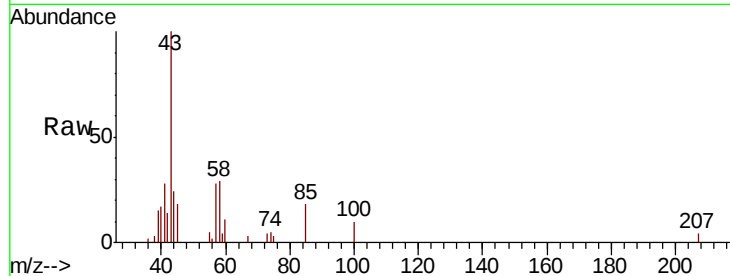
VB16202

Tot Ion: 43 Resp: 11289

Ion Ratio Lower Upper

43 100

58 40.4 32.2 48.4



Abundance Ion 43.00 (42.70 to 43.70): VN052954.D (-2537) (-)

Ion 58.00 (57.70 to 58.70): VN052954.D (-2537) (-)

15000

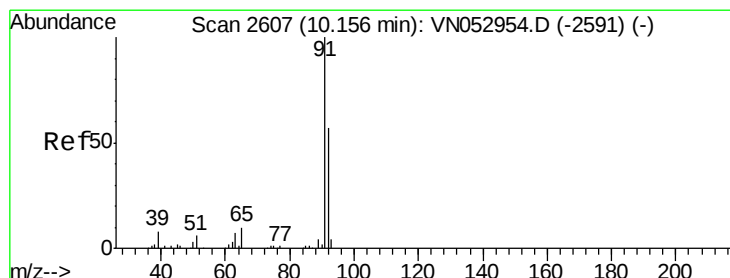
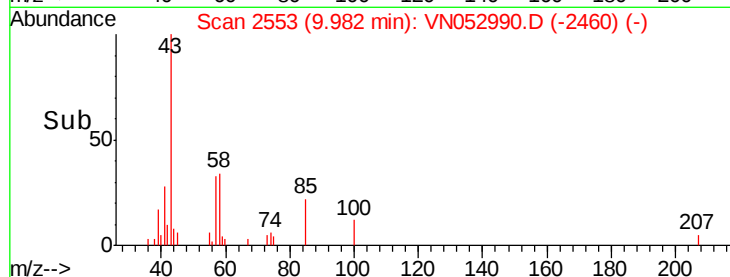
10000

5000

0

9.95 9.98 10.00

Time-->



#52

Toluene

Concen: 1.303 ug/l

RT: 10.16 min Scan# 2607

Delta R.T. -0.00 min

Lab File: VN052990.D

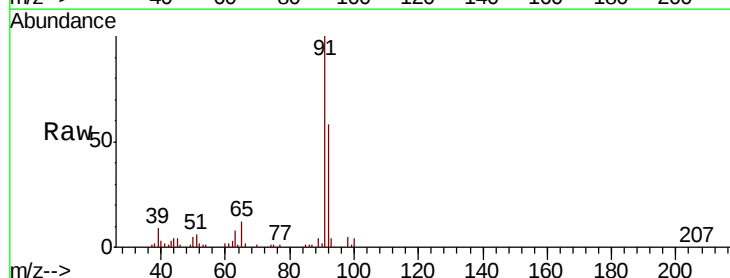
Acq: 19 Dec 2018 5:06

Tgt Ion: 92 Resp: 47199

Ion Ratio Lower Upper

92 100

91 169.1 139.8 209.6



Abundance Ion 92.00 (91.70 to 92.70): VN052954.D (-2591) (-)

Ion 91.00 (90.70 to 91.70): VN052954.D (-2591) (-)

50000

40000

30000

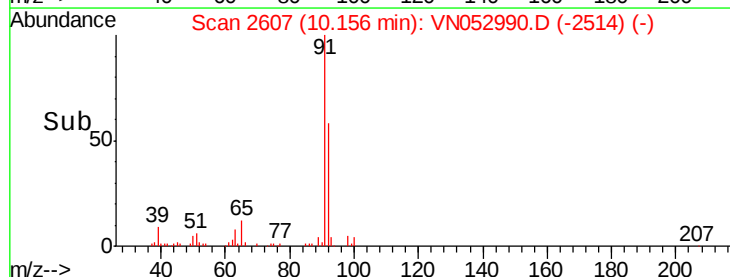
20000

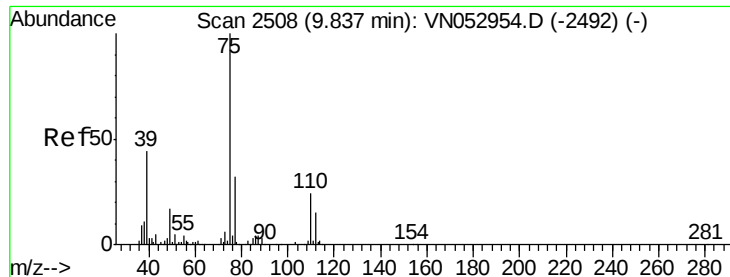
10000

0

10.10 10.15 10.20

Time-->





#54

cis-1,3-Dichloropropene

Concen: 6.907 ug/l

RT: 9.90 min Scan# 2529

Delta R.T. 0.07 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

VB16202

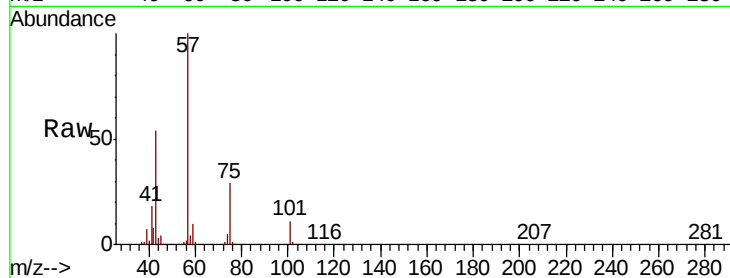
Tot Ion: 75 Resp: 157095

Ion Ratio Lower Upper

75 100

77 0.4 25.8 38.8#

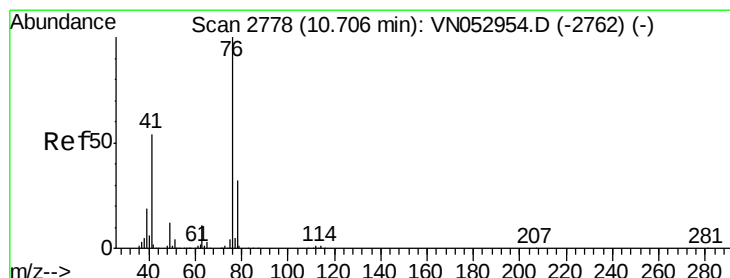
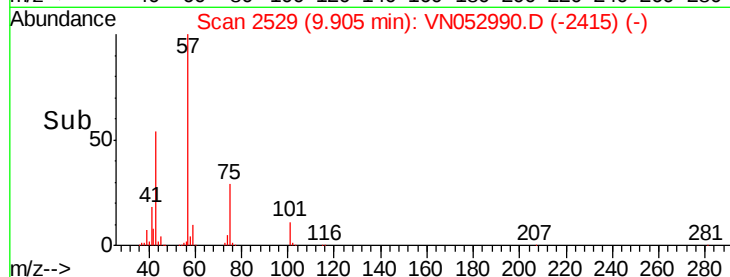
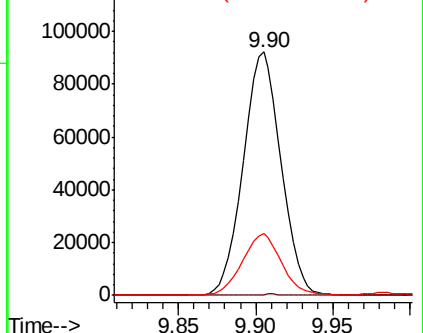
39 25.4 34.8 52.2#



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



#57

1,3-Dichloropropane

Concen: 1.140 ug/l

RT: 10.76 min Scan# 2796

Delta R.T. 0.06 min

Lab File: VN052990.D

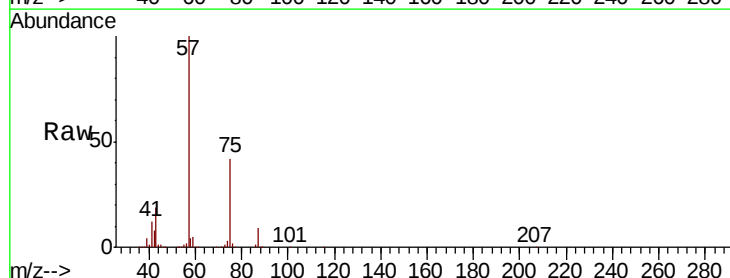
Acq: 19 Dec 2018 5:06

Tgt Ion: 76 Resp: 24689

Ion Ratio Lower Upper

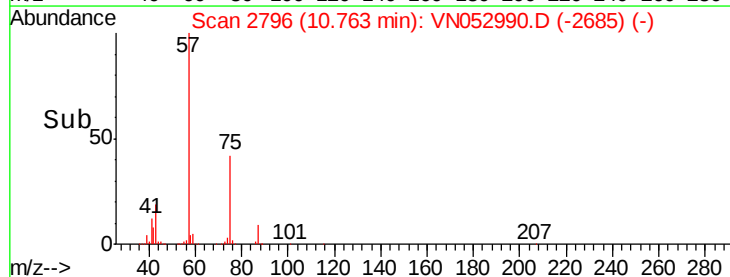
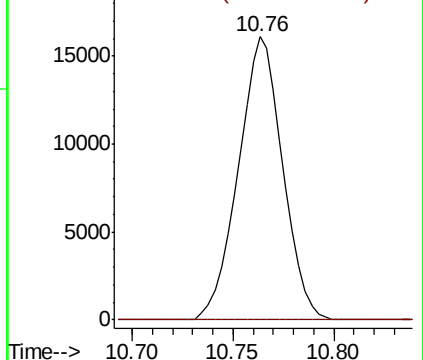
76 100

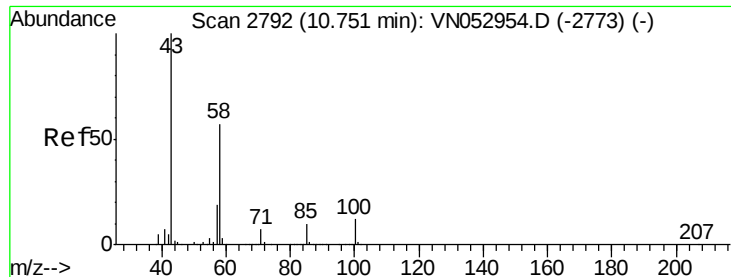
78 0.0 25.8 38.8#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

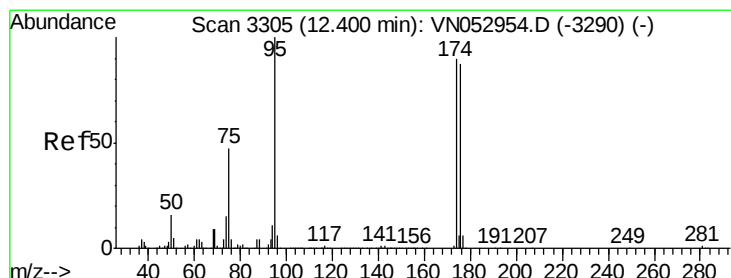
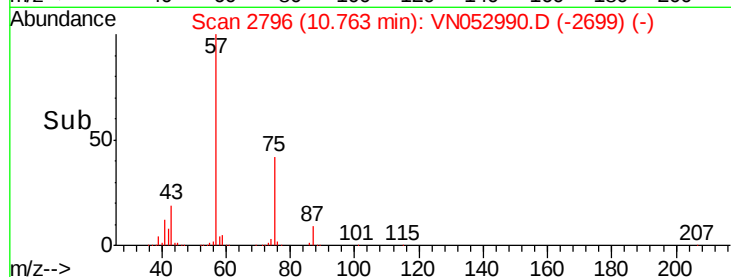
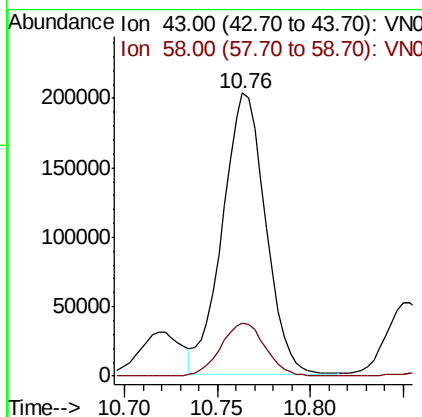
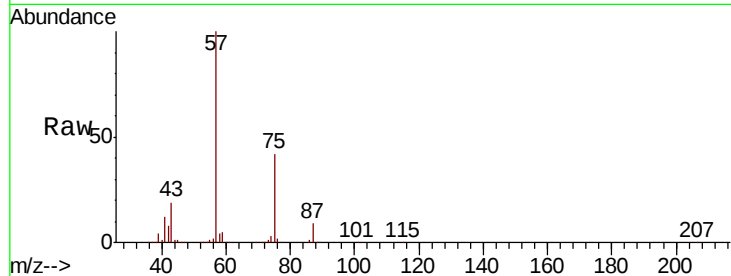




#59
2-Hexanone
Concen: 45.632 ug/l
RT: 10.76 min Scan# 2796
Delta R.T. 0.01 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

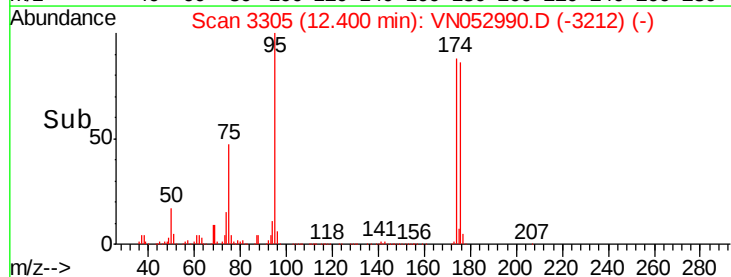
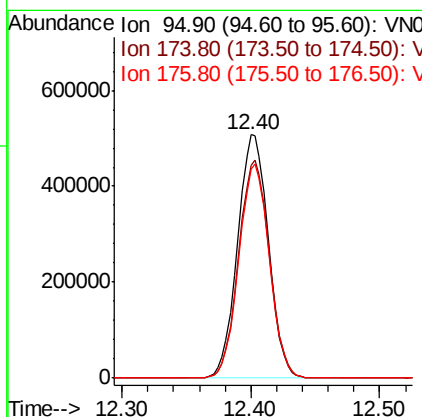
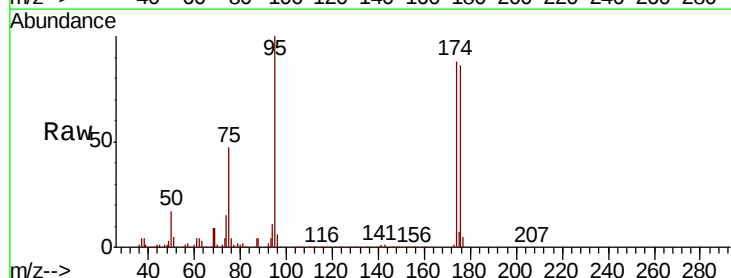
Instrument :
MSVOA_N
ClientSampleId :
VB16202

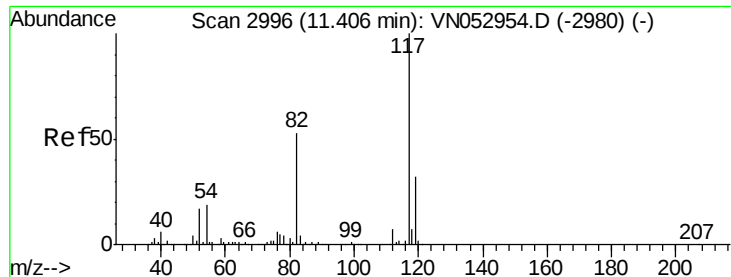
Tot Ion: 43 Resp: 327836
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

Tgt Ion: 95 Resp: 844150
Ion Ratio Lower Upper
95 100
174 89.4 0.0 178.8
176 87.0 0.0 173.8

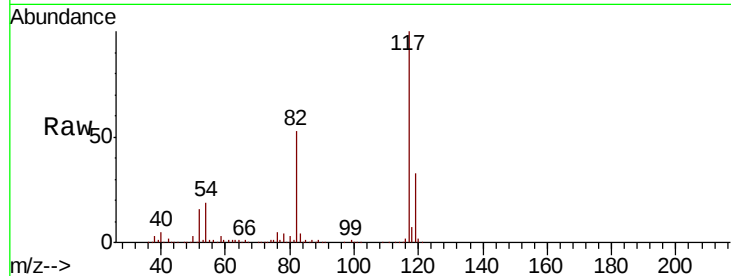




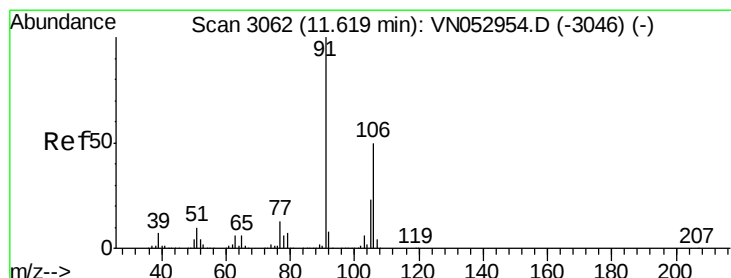
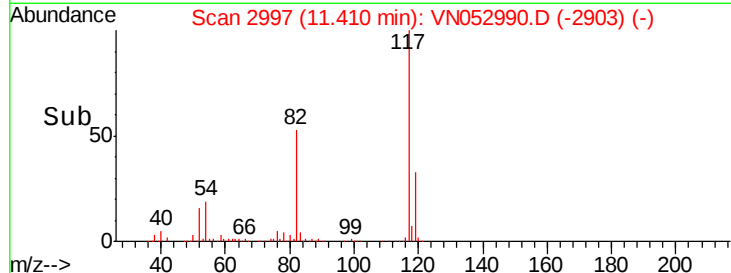
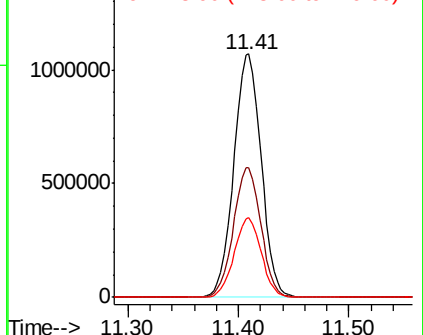
#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

Instrument :
MSVOA_N
ClientSampled :
VB16202

Tot Ion:117 Resp: 1841309
Ion Ratio Lower Upper
117 100
82 53.1 42.8 64.2
119 32.7 25.5 38.3

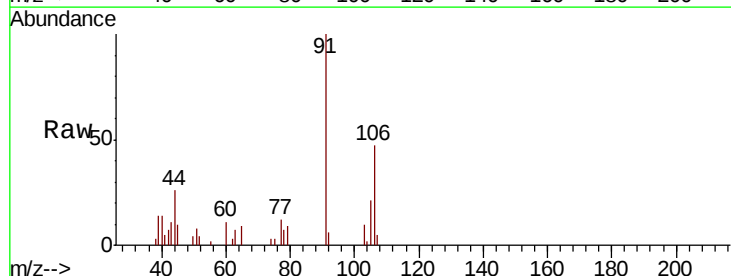


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): VN
Ion 118.90 (118.60 to 119.60): V

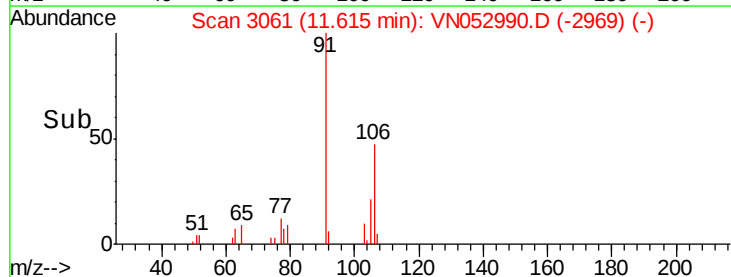
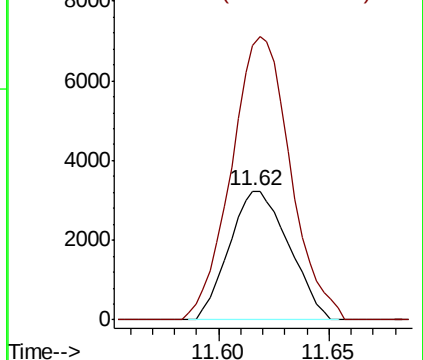


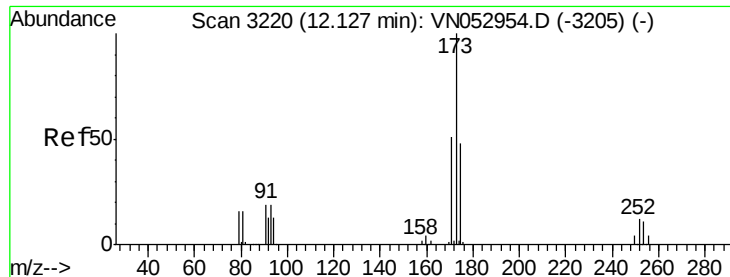
#68
m/p-Xylenes
Concen: 0.227 ug/l
RT: 11.62 min Scan# 3061
Delta R.T. -0.00 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

Tgt Ion:106 Resp: 6066
Ion Ratio Lower Upper
106 100
91 218.3 162.2 243.4



Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN

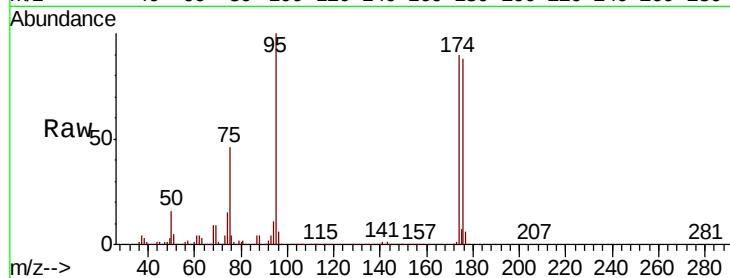




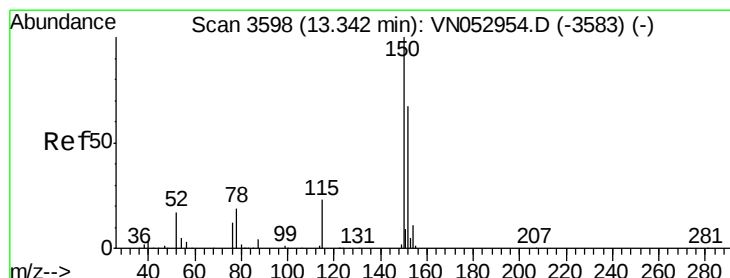
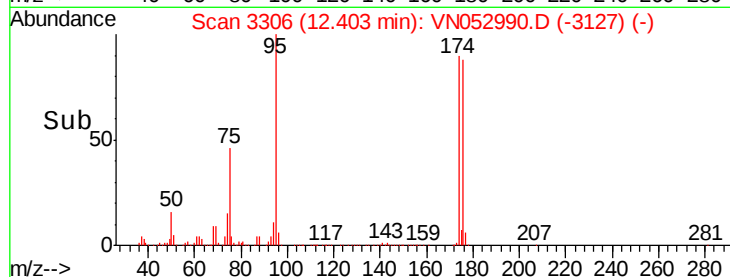
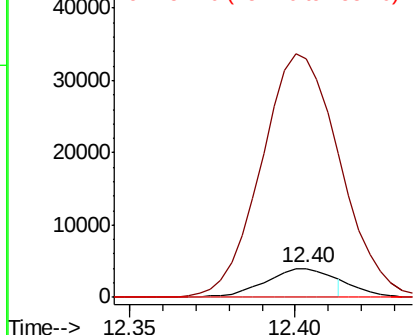
#71
Bromoform
Concen: 0.536 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

Instrument :
MSVOA_N
ClientSampleId :
VB16202

Tot Ion:173 Resp: 5494
Ion Ratio Lower Upper
173 100
175 883.2 24.3 72.9#
254 0.0 0.1 0.1#

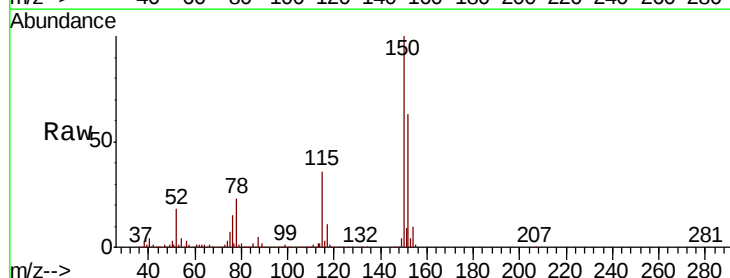


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

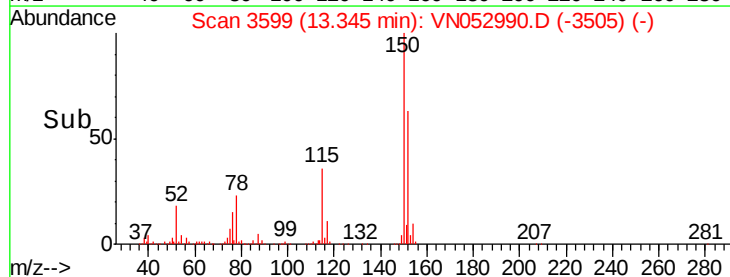
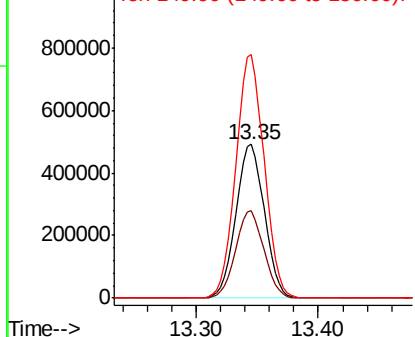


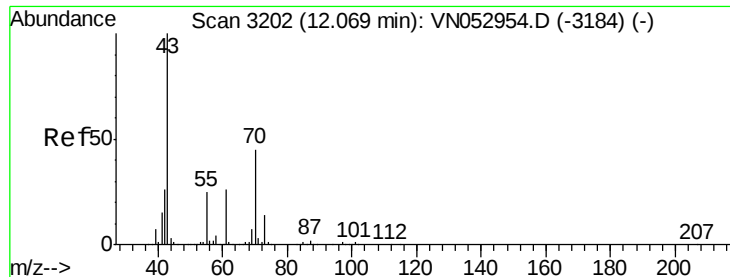
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN052990.D
Acq: 19 Dec 2018 5:06

Tgt Ion:152 Resp: 793772
Ion Ratio Lower Upper
152 100
115 56.5 28.3 85.0
150 157.4 0.0 347.8



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





#74

N-amvl acetate

Concen: 2.258 ug/l

RT: 11.88 min Scan# 3142

Delta R.T. -0.19 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

VB16202

Tot Ion: 43 Resp: 38931

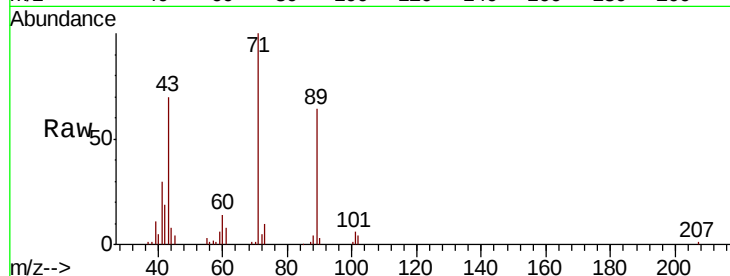
Ion Ratio Lower Upper

43 100

70 1.8 34.2 51.4#

55 5.1 20.3 30.5#

61 11.4 20.0 30.0#

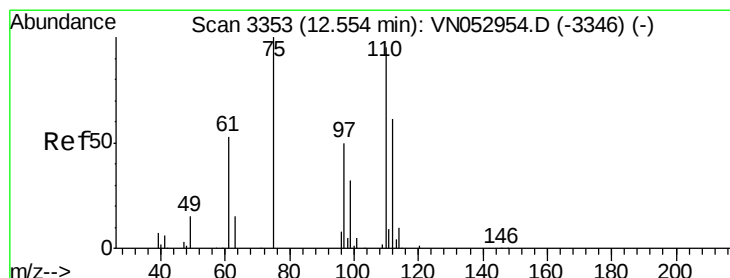
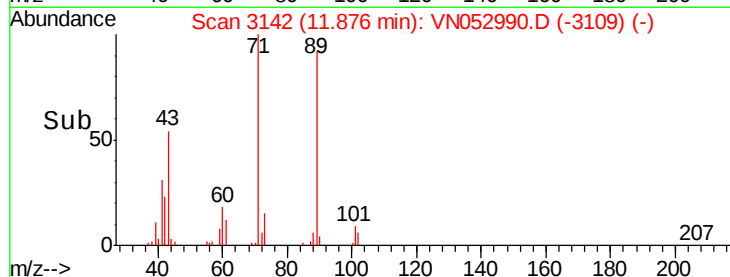
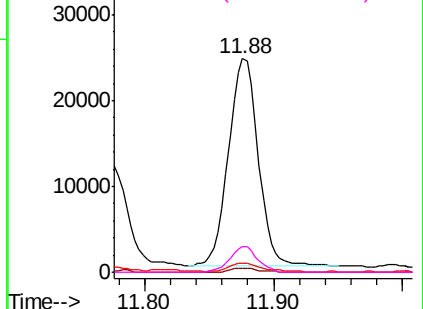


Abundance Ion 43.00 (42.70 to 43.70): VNO

Ion 70.00 (69.70 to 70.70): VNO

Ion 55.00 (54.70 to 55.70): VNO

Ion 61.00 (60.70 to 61.70): VNO



#76

1,2,3-Trichloropropane

Concen: 29.712 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN052990.D

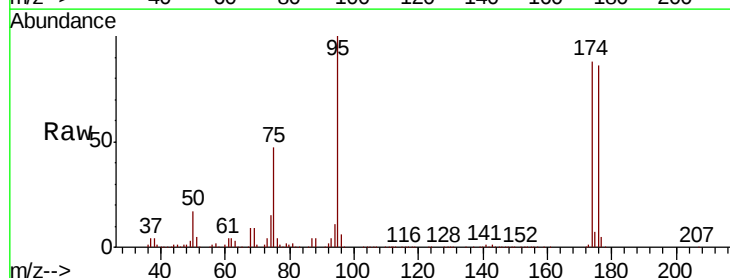
Acq: 19 Dec 2018 5:06

Tgt Ion: 75 Resp: 397015

Ion Ratio Lower Upper

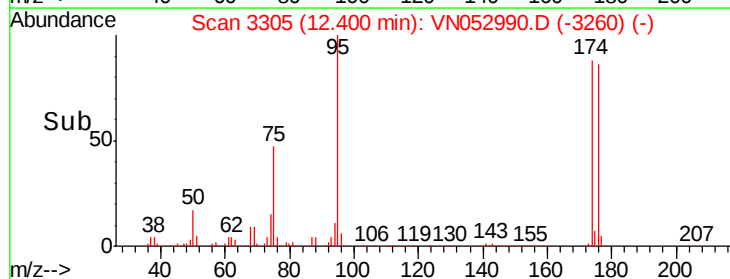
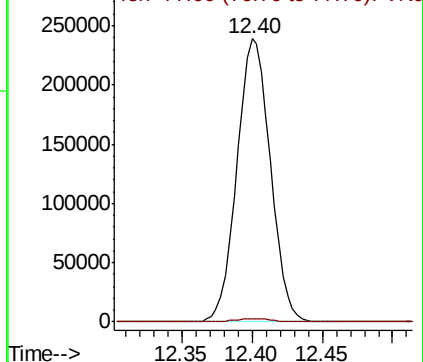
75 100

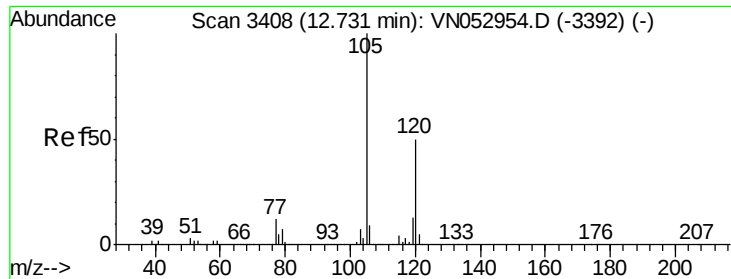
77 1.3 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 77.00 (76.70 to 77.70): VNO





#80

1,3,5-Trimethylbenzene

Concen: 0.380 ug/l

RT: 12.73 min Scan# 3409

Delta R.T. 0.00 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

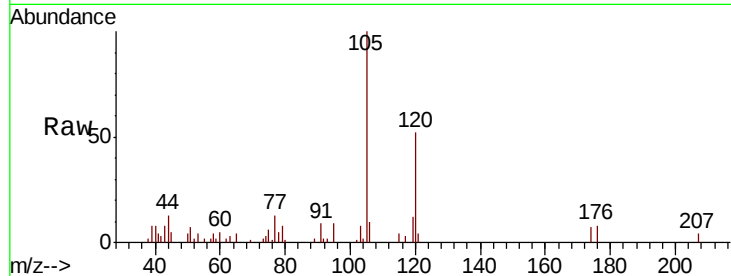
VB16202

Tot Ion:105 Resp: 19232

Ion Ratio Lower Upper

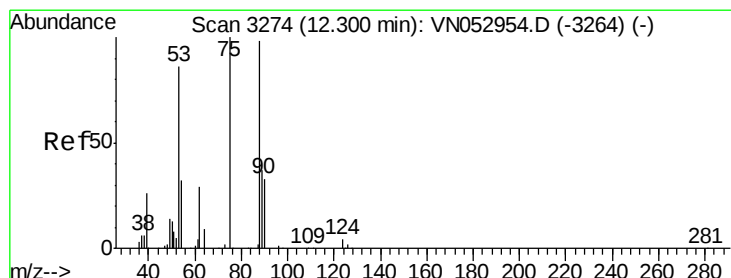
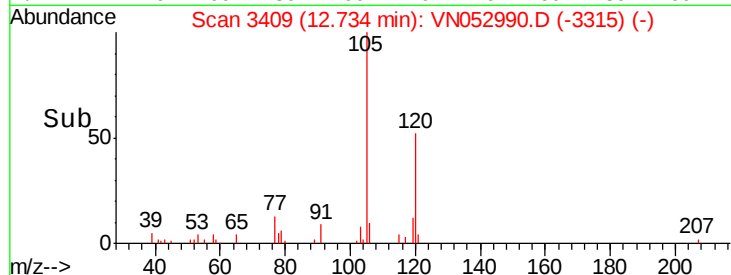
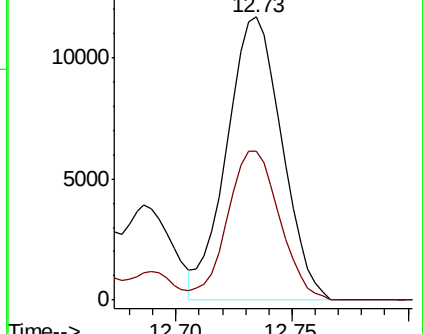
105 100

120 49.9 24.4 73.2



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: 95.764 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

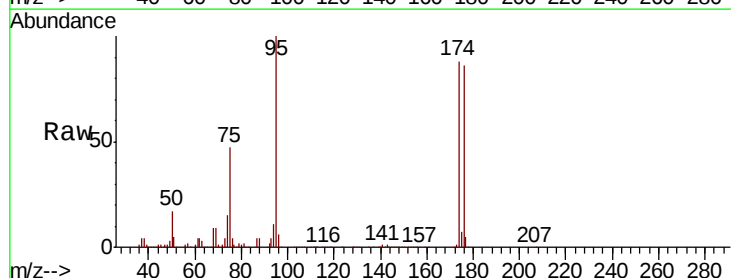
Tgt Ion: 75 Resp: 397015

Ion Ratio Lower Upper

75 100

53 0.0 74.7 112.1#

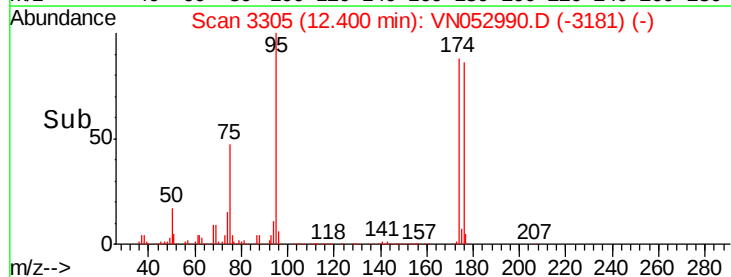
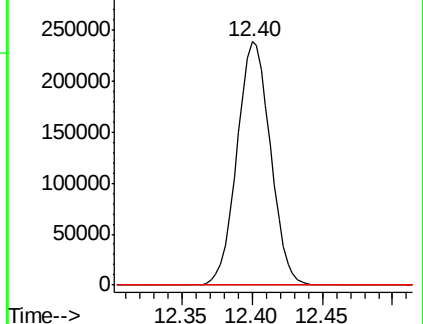
89 0.0 36.1 54.1#

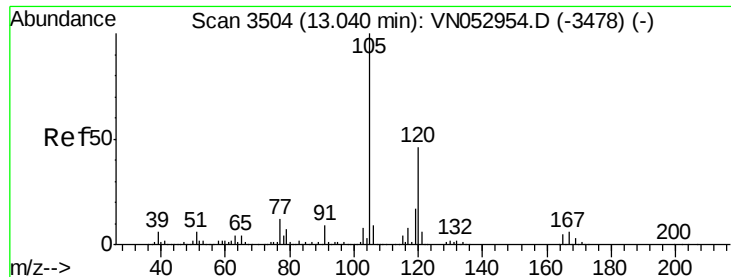


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

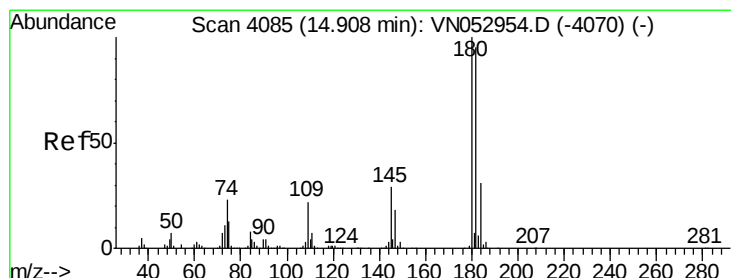
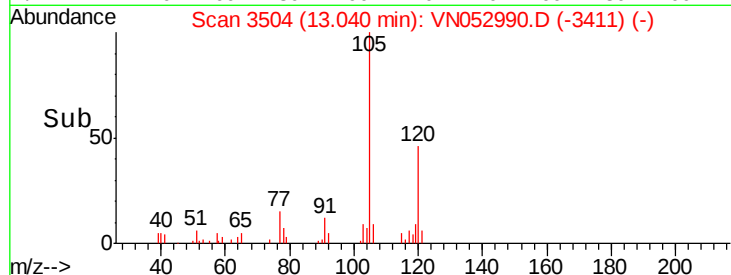
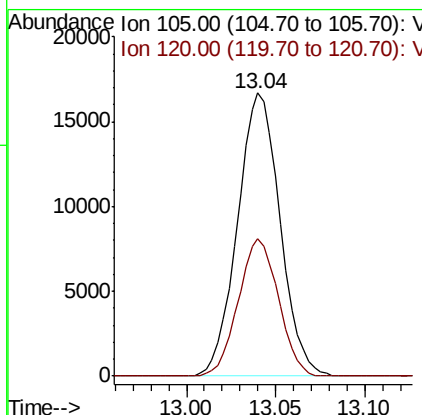
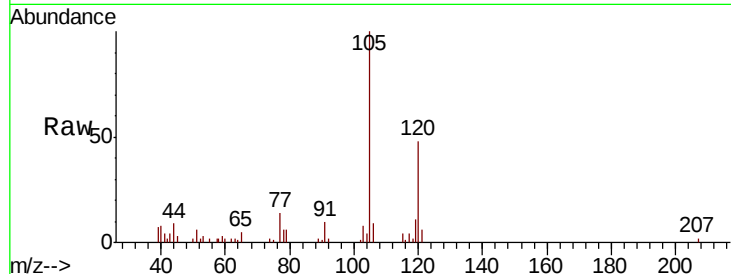




#84
 1,2,4-Trimethylbenzene
 Concen: 0.544 ug/l
 RT: 13.04 min Scan# 3504
 Delta R.T. -0.00 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

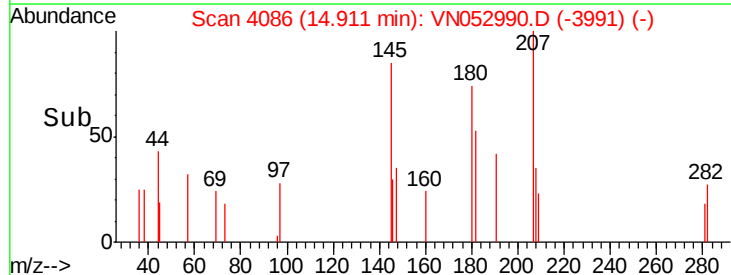
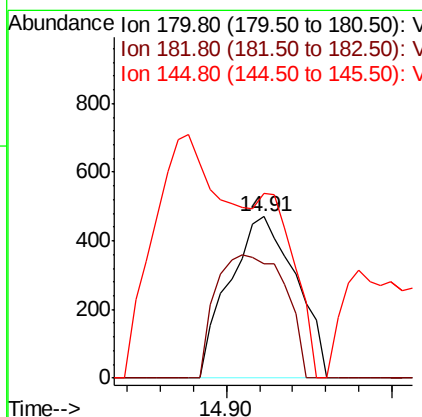
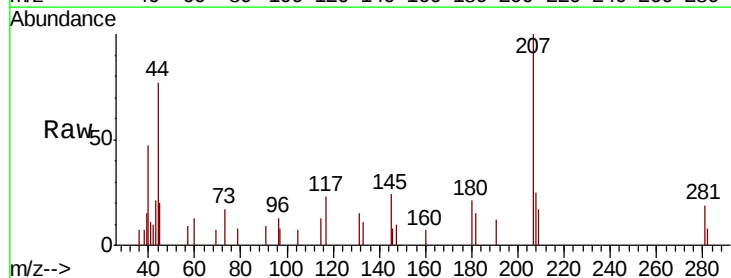
Instrument :
 MSVOA_N
 ClientSampleId :
 VB16202

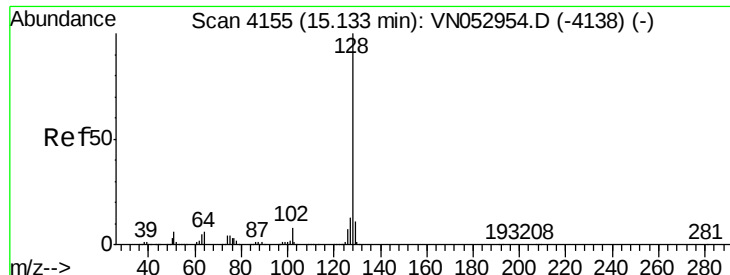
Tot Ion:105 Resp: 27692
 Ion Ratio Lower Upper
 105 100
 120 45.6 22.9 68.8



#93
 1,2,4-Trichlorobenzene
 Concen: 0.642 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN052990.D
 Acq: 19 Dec 2018 5:06

Tgt Ion:180 Resp: 658
 Ion Ratio Lower Upper
 180 100
 182 79.3 47.8 143.3
 145 0.0 14.2 42.6#





#95

Naphthalene

Concen: 2.584 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

Instrument :

MSVOA_N

ClientSampleId :

VB16202

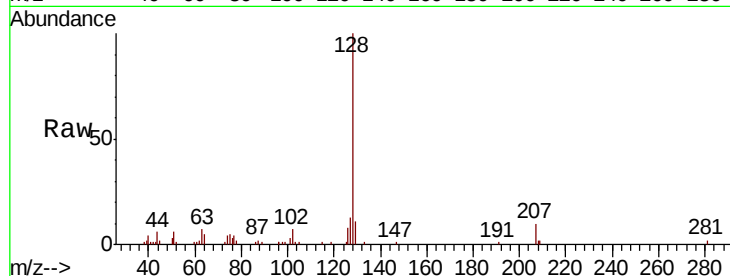
Tot Ion:128 Resp: 45919

Ion Ratio Lower Upper

128 100

127 12.6 10.2 15.4

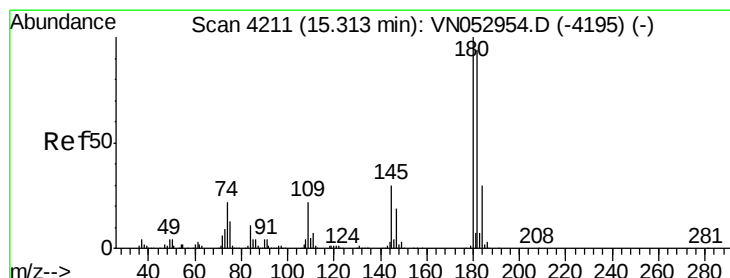
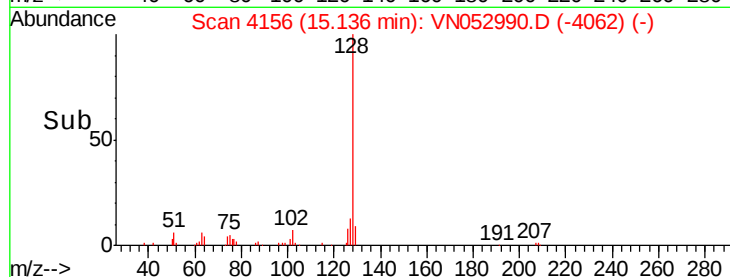
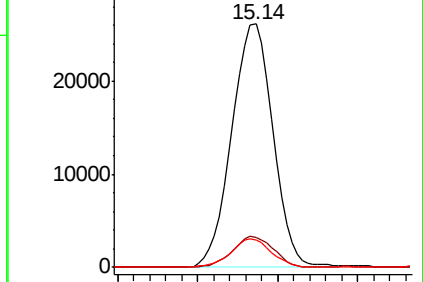
129 11.4 8.6 13.0



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



#96

1,2,3-Trichlorobenzene

Concen: 0.535 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN052990.D

Acq: 19 Dec 2018 5:06

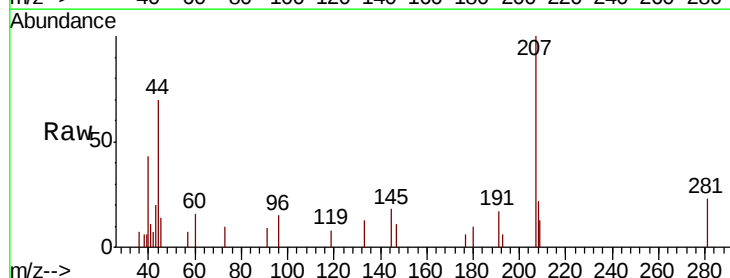
Tgt Ion:180 Resp: 357

Ion Ratio Lower Upper

180 100

182 31.7 47.9 143.7#

145 189.1 15.0 45.0#



Abundance Ion 179.80 (179.50 to 180.50): V

Ion 181.80 (181.50 to 182.50): V

Ion 144.90 (144.60 to 145.60): V

