

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN030519\
 Data File : VN054092.D
 Acq On : 5 Mar 2019 12:07
 Operator : JC/SP
 Sample : VN0305WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBL01

Quant Time: Mar 06 02:18:22 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N022519W.M
 Quant Title : SW846 8260
 QLast Update : Thu Feb 28 04:05:45 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	566862	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1062777	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1035795	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	371868	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	364974	54.93	ug/l	0.00
Spiked Amount			Recovery	=	109.86%	
35) Dibromofluoromethane	7.59	113	339620	49.42	ug/l	0.00
Spiked Amount			Recovery	=	98.84%	
50) Toluene-d8	10.09	98	1328308	51.92	ug/l	0.00
Spiked Amount			Recovery	=	103.84%	
62) 4-Bromofluorobenzene	12.40	95	444368	52.13	ug/l	0.00
Spiked Amount			Recovery	=	104.26%	

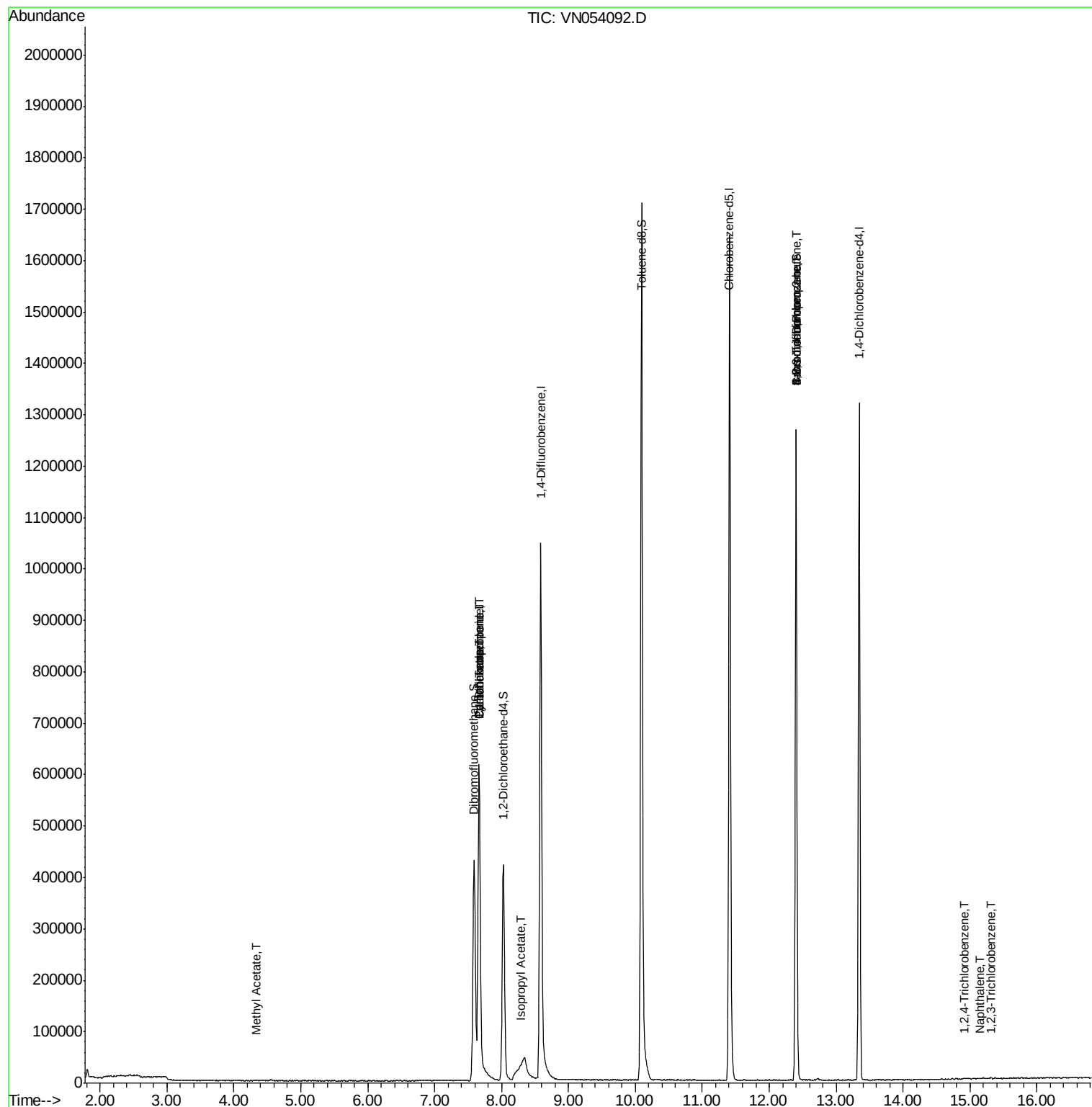
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.82	43	480	Below Cal	#	40
18) Methyl Acetate	4.33	43	1192	0.257	ug/l #	77
31) Cyclohexane	7.67	56	9889	0.525	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38203	3.865	ug/l #	47
38) Carbon Tetrachloride	7.67	117	51503	5.010	ug/l #	15
43) Isopropyl Acetate	8.28	43	41485	3.482	ug/l #	58
71) Bromoform	12.40	173	3677	0.671	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	213437	35.779	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	213437	113.084	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	497	2.292	ug/l #	77
95) Naphthalene	15.14	128	1496	3.307	ug/l #	70
96) 1,2,3-Trichlorobenzene	15.32	180	1095	1.720	ug/l #	76

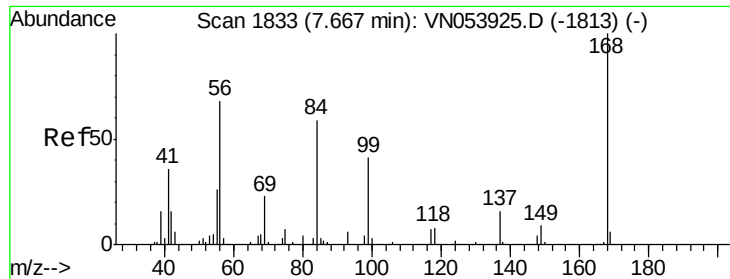
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Feb 28 04:05:45 2019
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.000 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.00 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

Instrument :

MSVOA_N

ClientSampled :

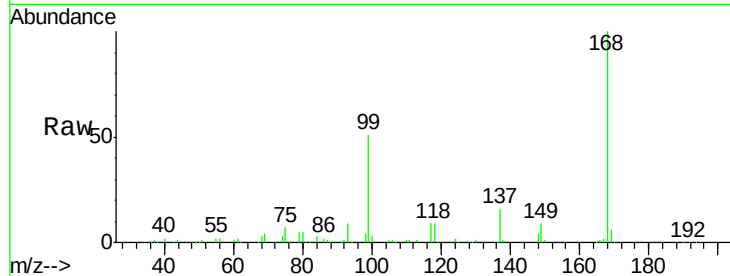
VN0305WBL01

Tot Ion:168 Resp: 566862

Ion Ratio Lower Upper

168 100

99 51.4 36.9 55.3



Abundance Ion 167.90 (167.60 to 168.60): VN053925.D (-1813) (-)

Ion 98.90 (98.60 to 99.60): VN053925.D (-1813) (-)

7.66

250000

200000

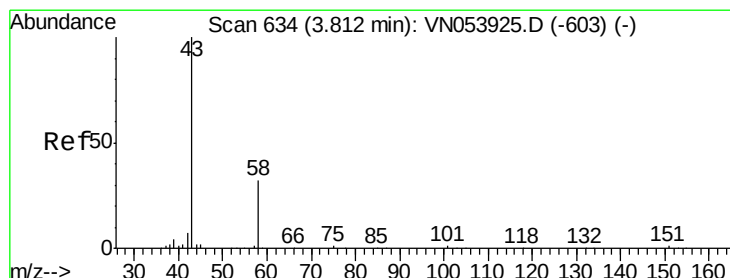
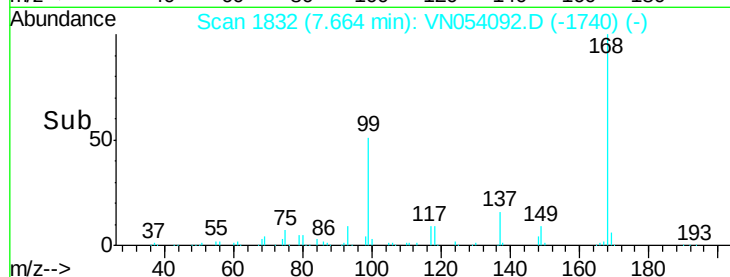
150000

100000

50000

0

Time-->



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN054092.D

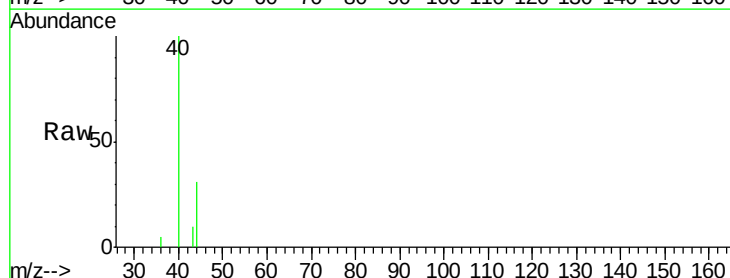
Acq: 5 Mar 2019 12:07

Tgt Ion: 43 Resp: 480

Ion Ratio Lower Upper

43 100

58 0.0 27.6 41.4#



Abundance Ion 43.00 (42.70 to 43.70): VN053925.D (-603) (-)

Ion 58.00 (57.70 to 58.70): VN053925.D (-603) (-)

3.82

400

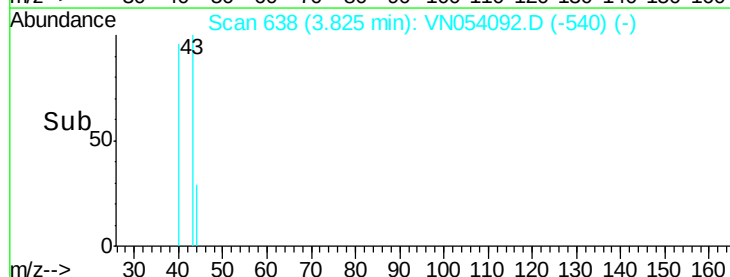
300

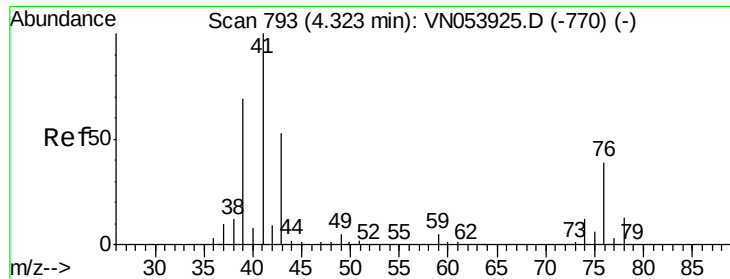
200

100

0

Time-->

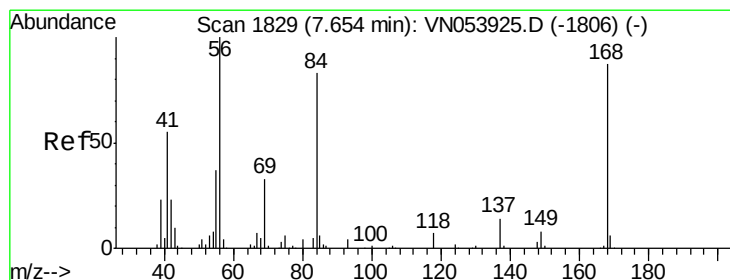
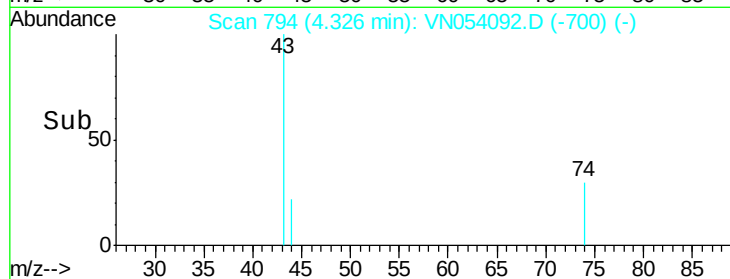
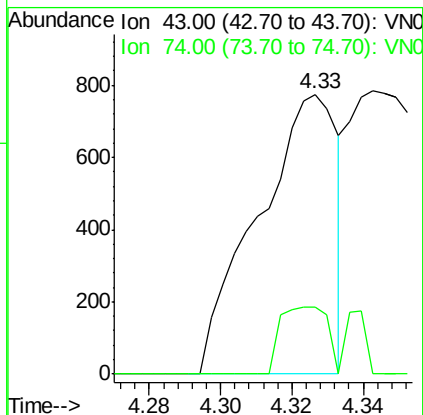
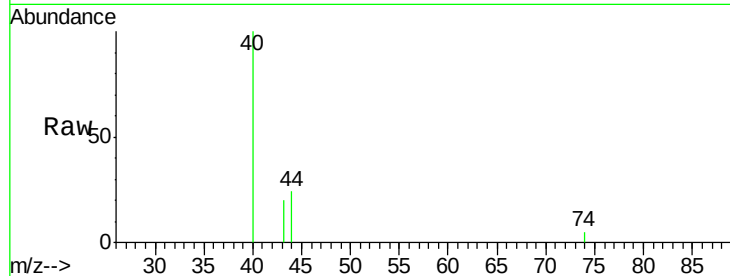




#18
Methyl Acetate
Concen: 0.257 ug/l
RT: 4.33 min Scan# 794
Delta R.T. 0.00 min
Lab File: VN054092.D
Acq: 5 Mar 2019 12:07

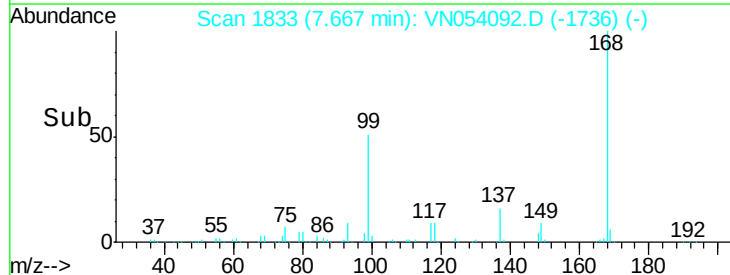
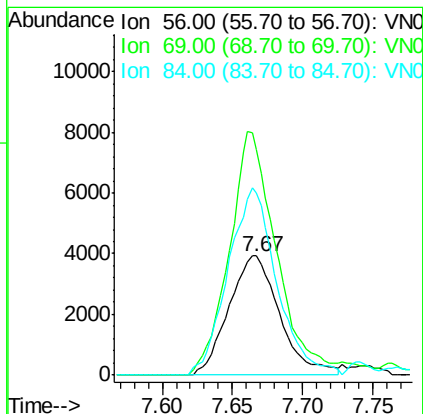
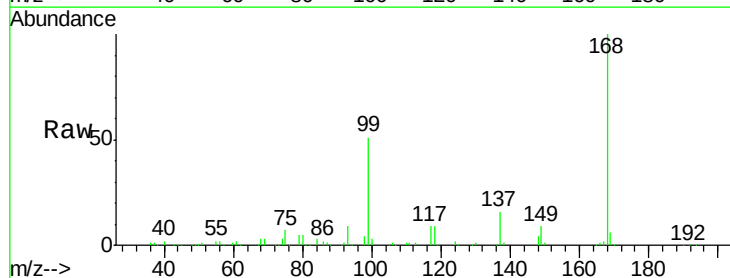
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

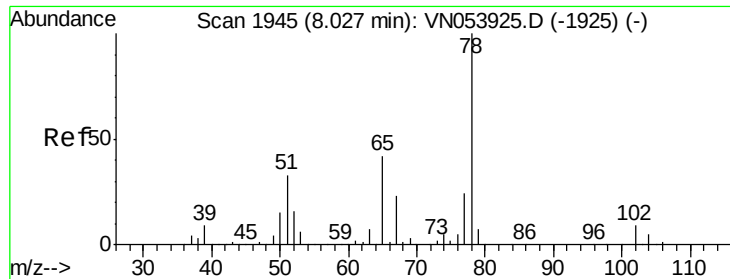
Tot Ion: 43 Resp: 1192
Ion Ratio Lower Upper
43 100
74 14.2 20.5 30.7#



#31
Cyclohexane
Concen: 0.525 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN054092.D
Acq: 5 Mar 2019 12:07

Tgt Ion: 56 Resp: 9889
Ion Ratio Lower Upper
56 100
69 189.1 26.0 39.0#
84 153.2 69.1 103.7#

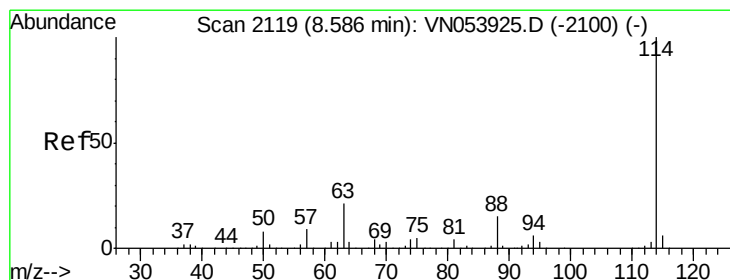
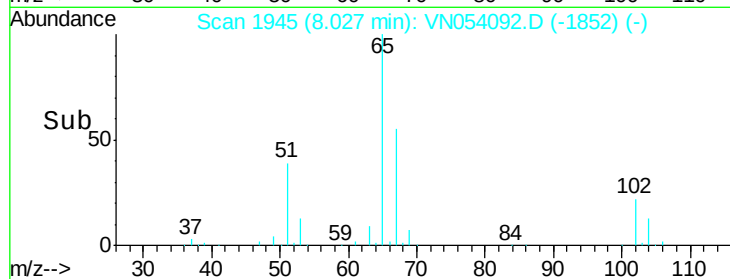
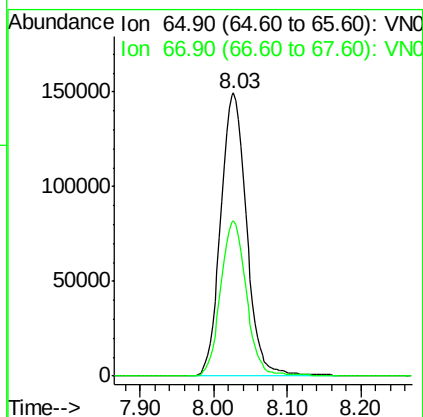
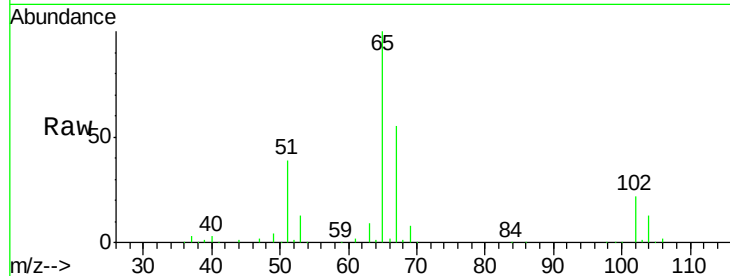




#33
 1,2-Dichloroethane-d4
 Concen: 54.926 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN054092.D
 Acq: 5 Mar 2019 12:07

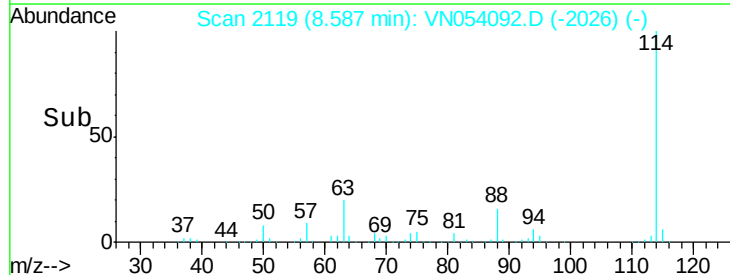
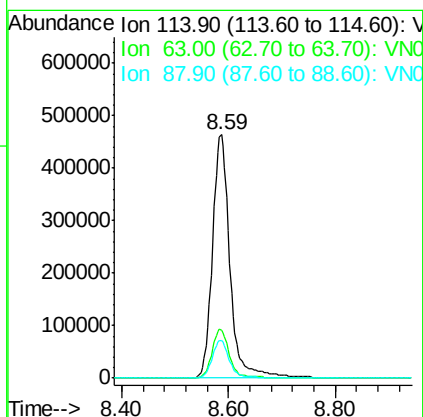
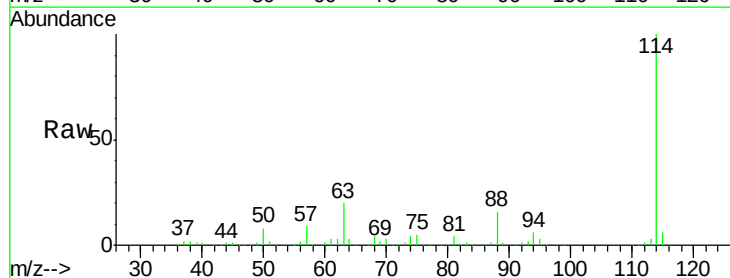
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0305WBL01

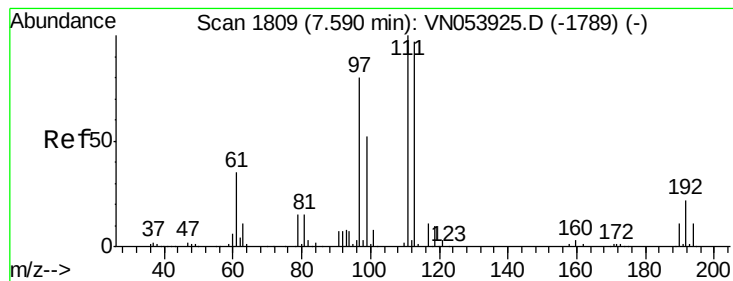
Tot Ion: 65 Resp: 364974
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 111.8



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN054092.D
 Acq: 5 Mar 2019 12:07

Tgt Ion: 114 Resp: 1062777
 Ion Ratio Lower Upper
 114 100
 63 19.8 0.0 37.4
 88 15.5 0.0 30.4





#35

Dibromofluoromethane

Concen: 49.417 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

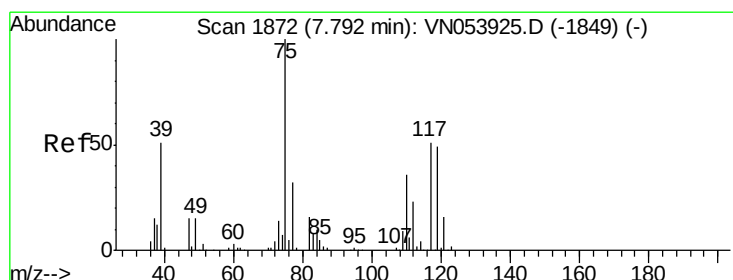
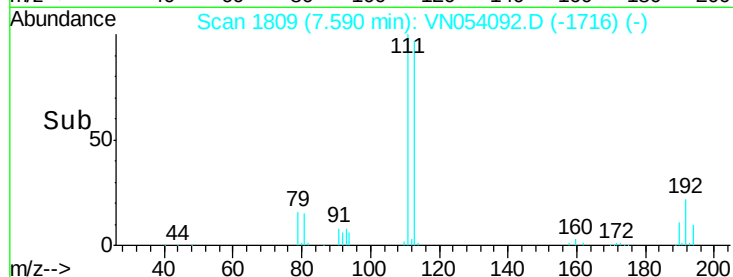
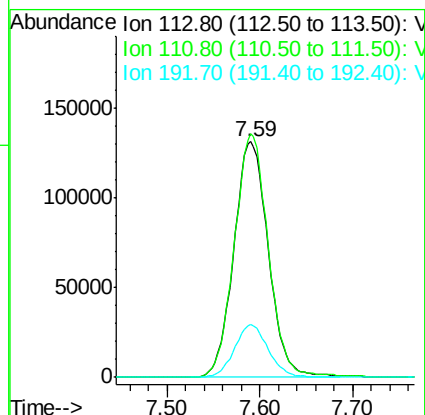
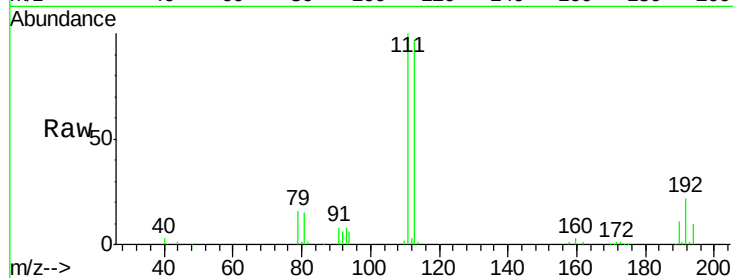
Tot Ion:113 Resp: 339620

Ion Ratio Lower Upper

113 100

111 101.9 81.1 121.7

192 21.7 18.8 28.2



#36

1,1-Dichloropropene

Concen: 3.865 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

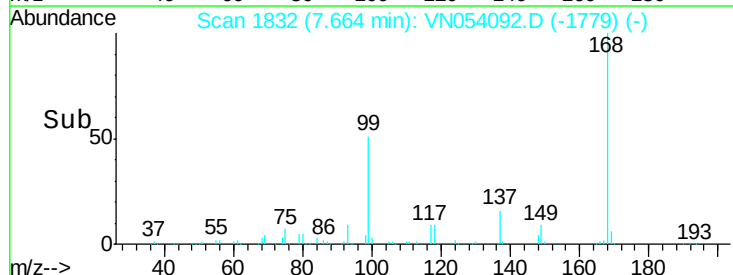
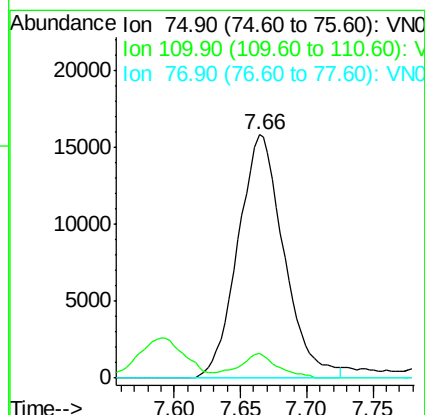
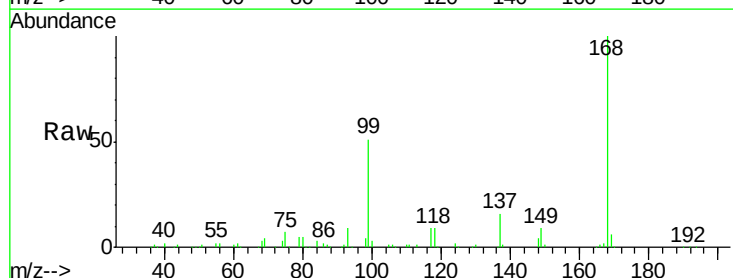
Tgt Ion: 75 Resp: 38203

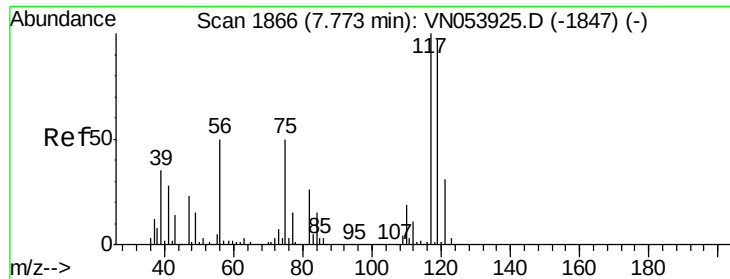
Ion Ratio Lower Upper

75 100

110 8.6 19.0 57.0#

77 0.0 25.4 38.0#

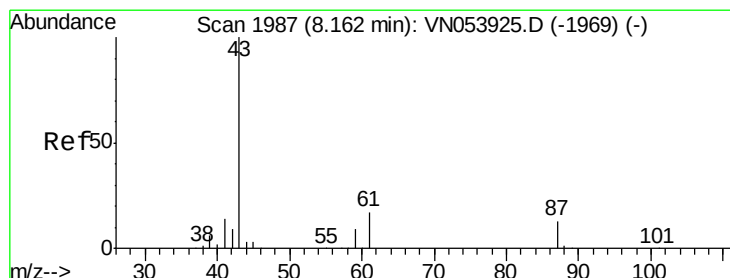
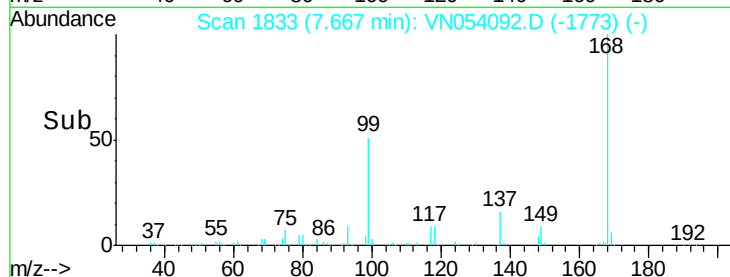
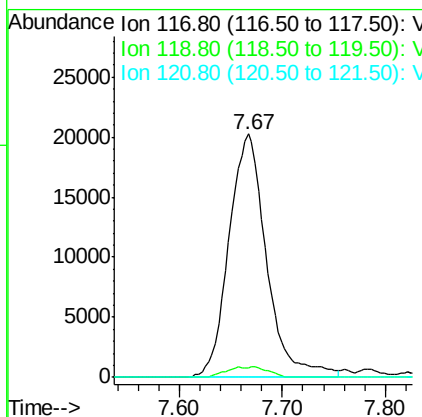
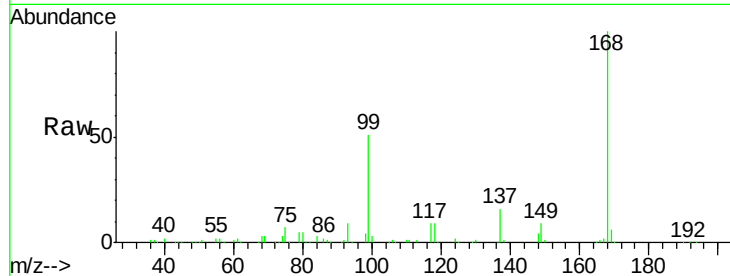




#38
 Carbon Tetrachloride
 Concen: 5.010 ug/l
 RT: 7.67 min Scan# 1833
 Delta R.T. -0.11 min
 Lab File: VN054092.D
 Acq: 5 Mar 2019 12:07

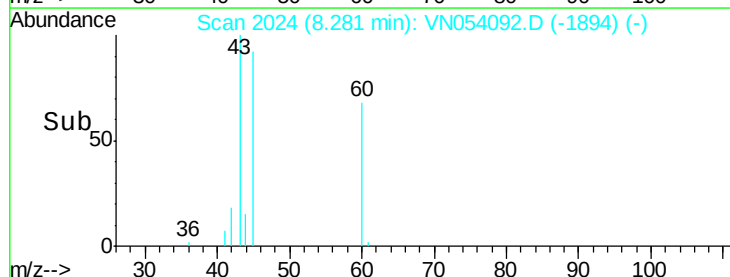
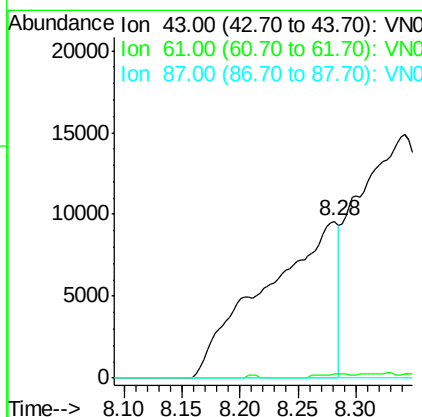
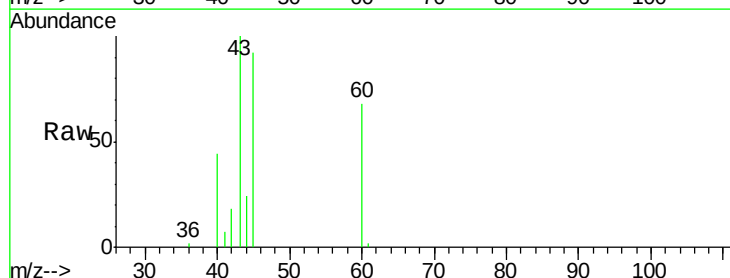
Instrument :
 MSVOA_N
 ClientSampled :
 VN0305WBL01

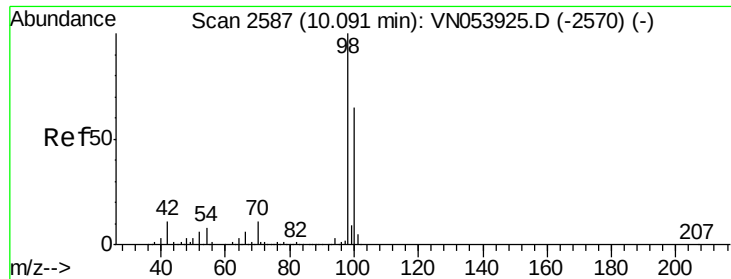
Tot Ion:117 Resp: 51503
 Ion Ratio Lower Upper
 117 100
 119 3.8 76.2 114.2#
 121 0.0 24.6 36.8#



#43
 Isopropyl Acetate
 Concen: 3.482 ug/l
 RT: 8.28 min Scan# 2024
 Delta R.T. 0.12 min
 Lab File: VN054092.D
 Acq: 5 Mar 2019 12:07

Tgt Ion: 43 Resp: 41485
 Ion Ratio Lower Upper
 43 100
 61 0.0 17.4 26.0#
 87 0.0 11.5 17.3#

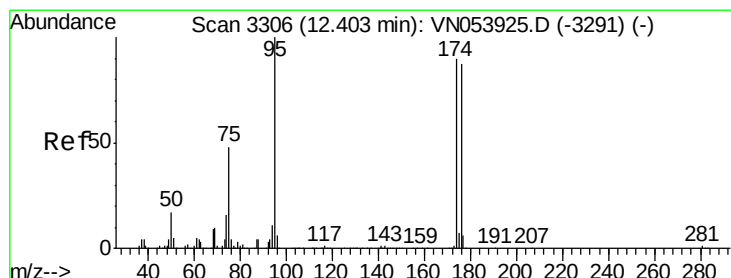
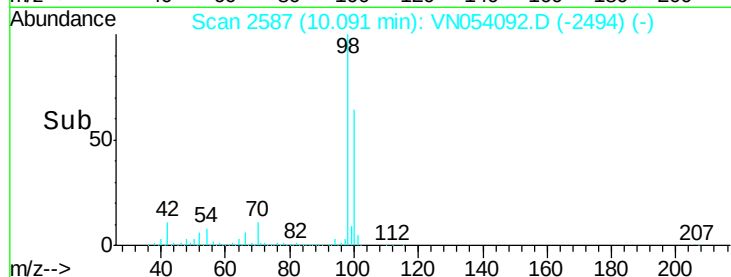
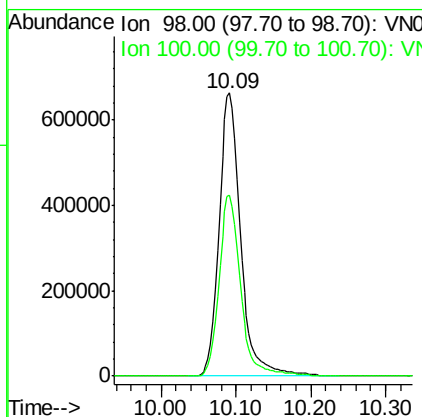
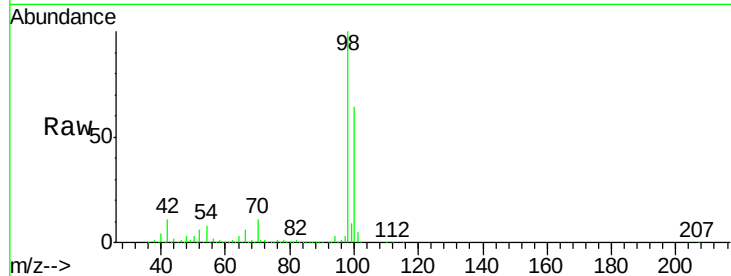




#50
Toluene-d8
Concen: 51.921 ug/l
RT: 10.09 min Scan# 2587
Delta R.T. 0.00 min
Lab File: VN054092.D
Acq: 5 Mar 2019 12:07

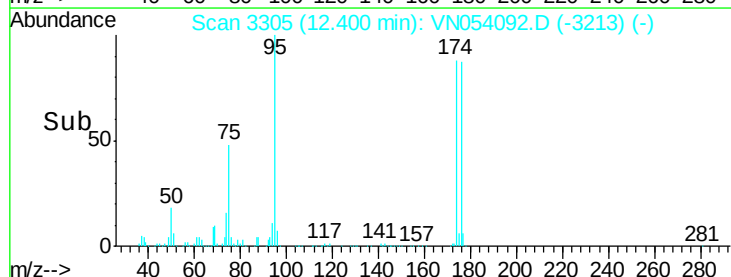
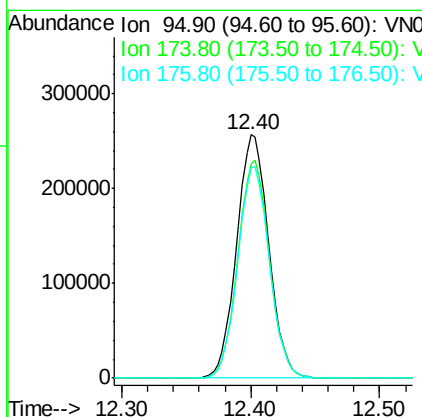
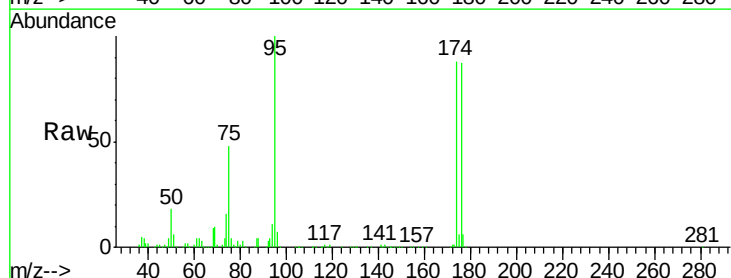
Instrument :
MSVOA_N
ClientSampleId :
VN0305WBL01

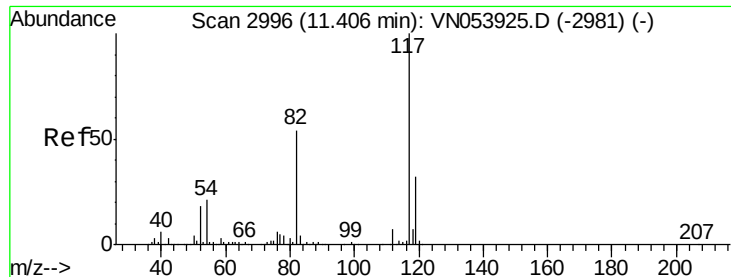
Tot Ion: 98 Resp: 1328308
Ion Ratio Lower Upper
98 100
100 63.8 51.9 77.9



#62
4-Bromofluorobenzene
Concen: 52.134 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN054092.D
Acq: 5 Mar 2019 12:07

Tgt Ion: 95 Resp: 444368
Ion Ratio Lower Upper
95 100
174 88.5 0.0 188.8
176 85.7 0.0 182.6





#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

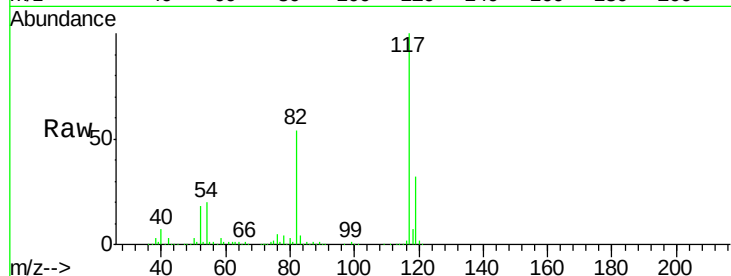
Tot Ion:117 Resp: 1035795

Ion Ratio Lower Upper

117 100

82 54.0 41.4 62.2

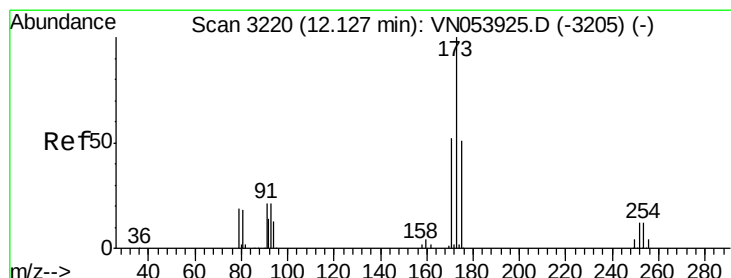
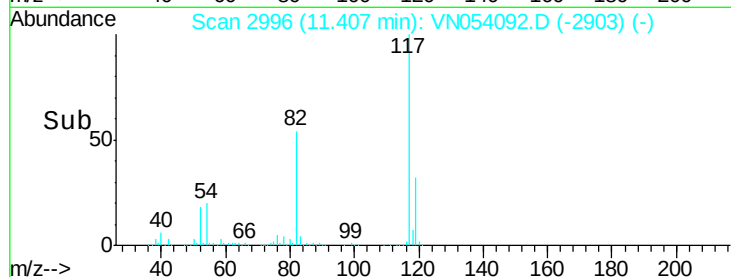
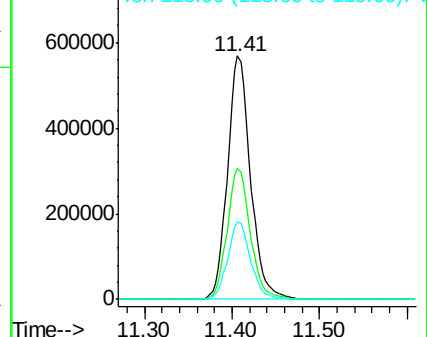
119 31.6 25.3 37.9



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: 0.671 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

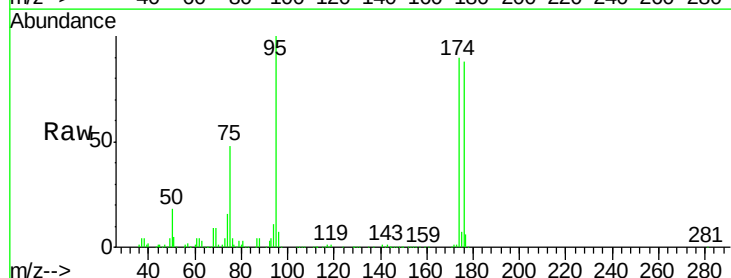
Tgt Ion:173 Resp: 3677

Ion Ratio Lower Upper

173 100

175 667.0 24.3 72.8#

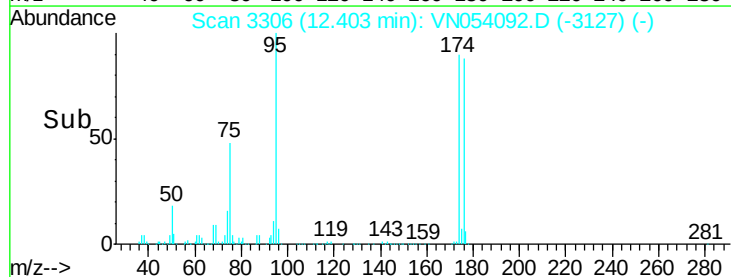
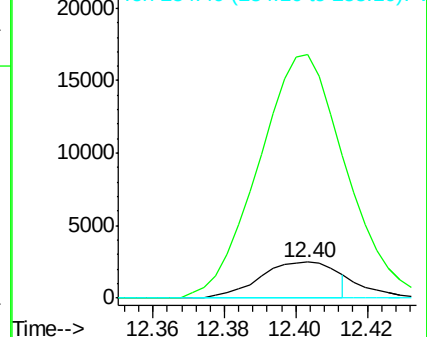
254 0.0 0.2 0.2#

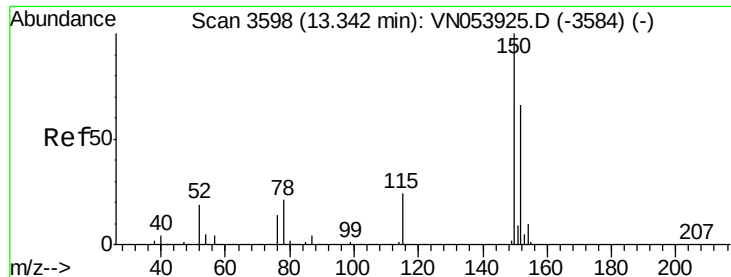


Abundance Ion 172.70 (172.40 to 173.40): V

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: VN054092.D

Acq: 5 Mar 2019 12:07

Instrument :

MSVOA_N

ClientSampled :

VN0305WBL01

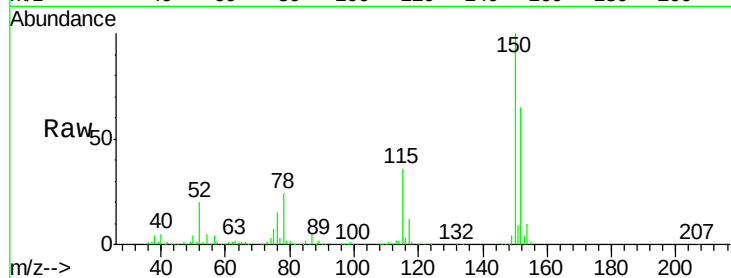
Tot Ion:152 Resp: 371868

Ion Ratio Lower Upper

152 100

115 57.0 27.2 81.6

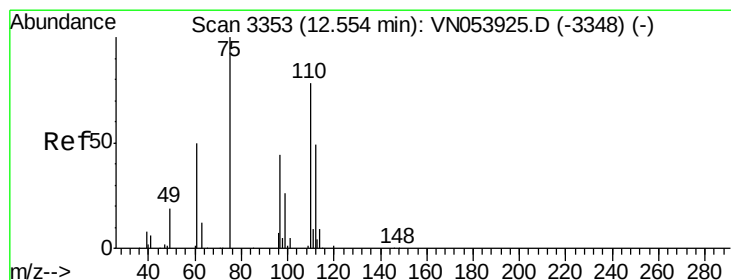
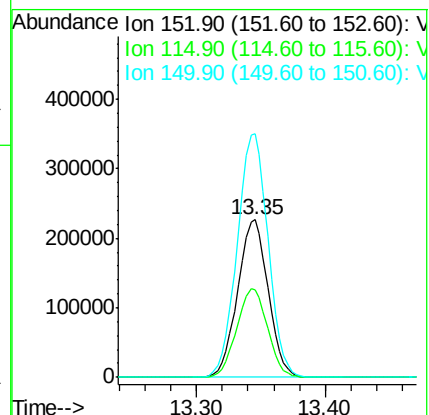
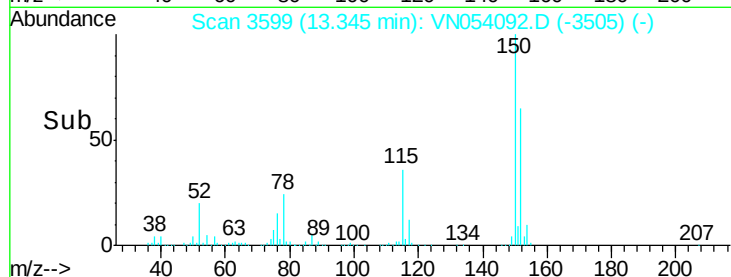
150 156.7 0.0 348.2



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: 35.779 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN054092.D

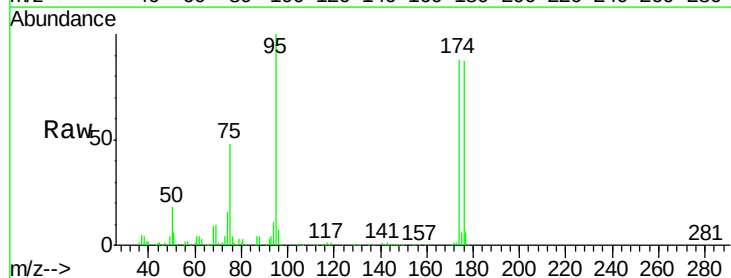
Acq: 5 Mar 2019 12:07

Tgt Ion: 75 Resp: 213437

Ion Ratio Lower Upper

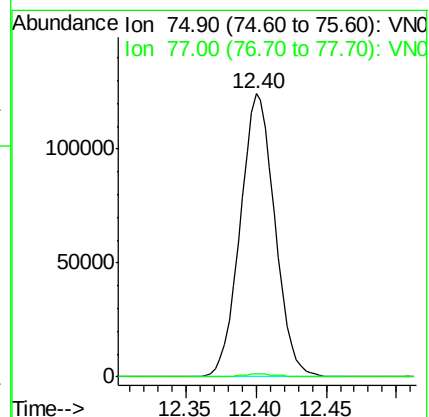
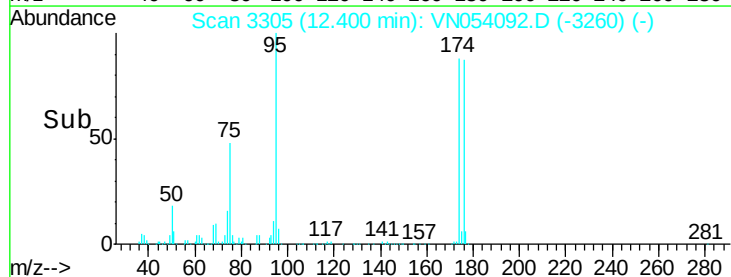
75 100

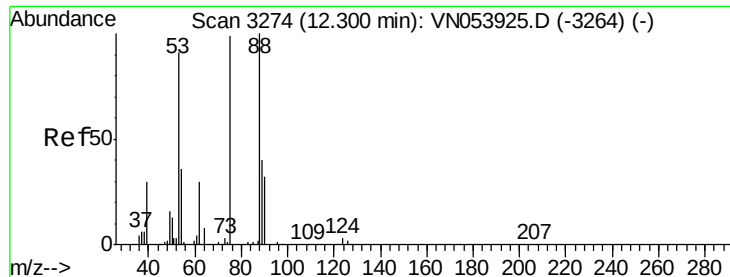
77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 113.084 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

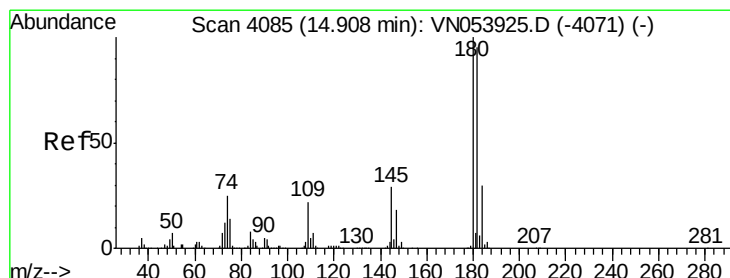
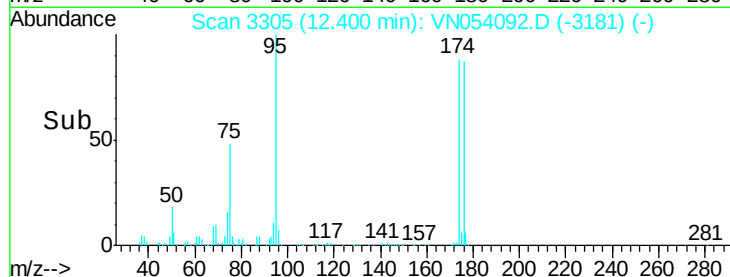
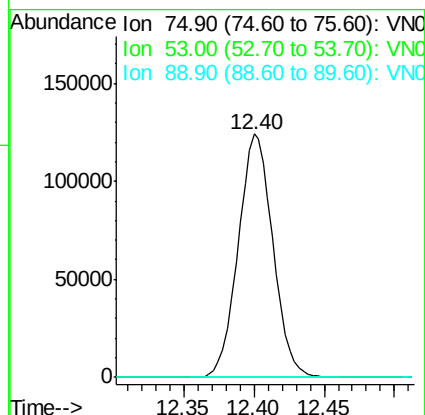
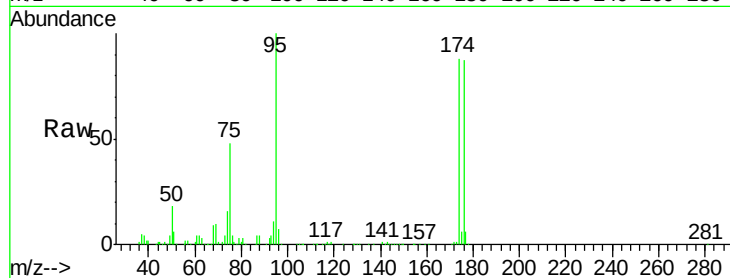
Tot Ion: 75 Resp: 213437

Ion Ratio Lower Upper

75 100

53 0.1 68.6 102.8#

89 0.0 35.3 52.9#



#93

1,2,4-Trichlorobenzene

Concen: 2.292 ug/l

RT: 14.91 min Scan# 4086

Delta R.T. 0.00 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

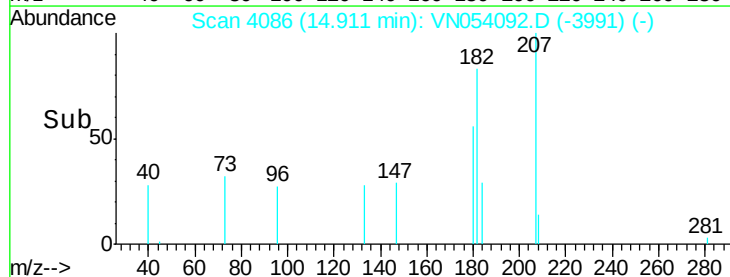
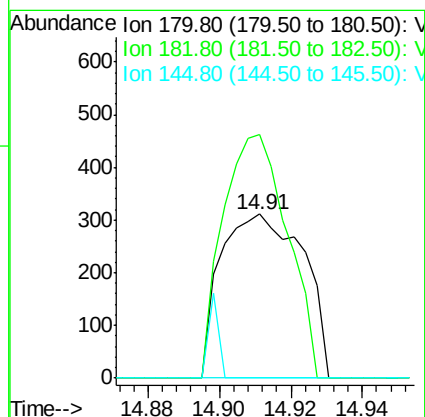
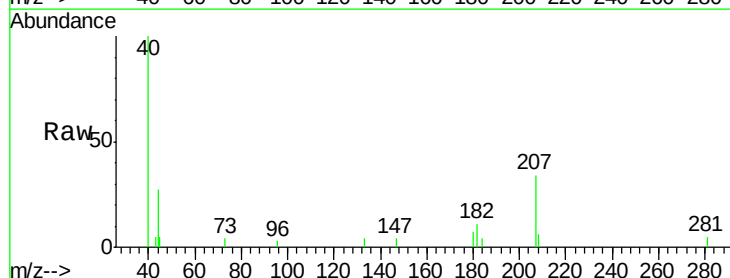
Tgt Ion: 180 Resp: 497

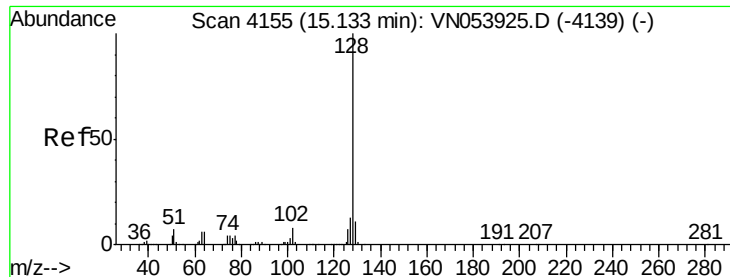
Ion Ratio Lower Upper

180 100

182 115.5 48.6 145.9

145 6.2 13.8 41.3#





#95

Naphthalene

Concen: 3.307 ug/l

RT: 15.14 min Scan# 4156

Delta R.T. 0.00 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

Instrument :

MSVOA_N

ClientSampleId :

VN0305WBL01

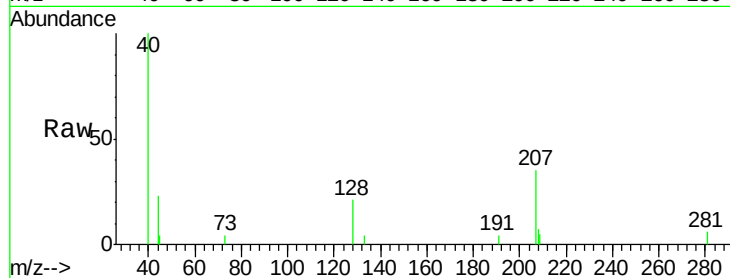
Tot Ion:128 Resp: 1496

Ion Ratio Lower Upper

128 100

127 0.0 10.2 15.2#

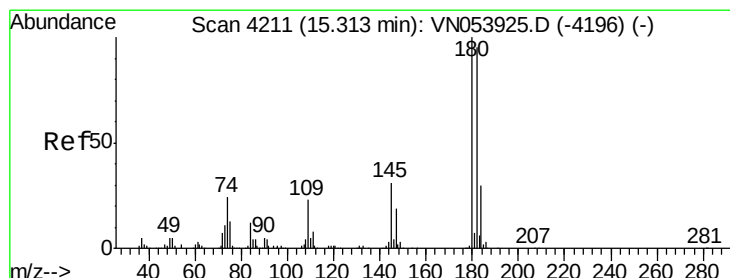
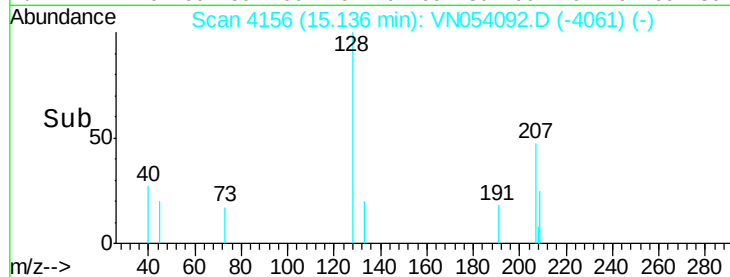
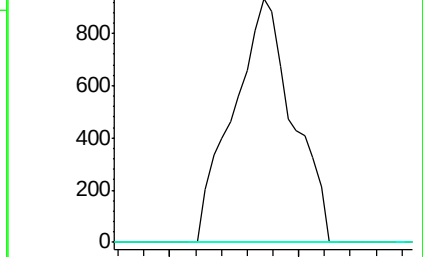
129 0.0 8.6 12.8#



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



#96

1,2,3-Trichlorobenzene

Concen: 1.720 ug/l

RT: 15.32 min Scan# 4214

Delta R.T. 0.01 min

Lab File: VN054092.D

Acq: 5 Mar 2019 12:07

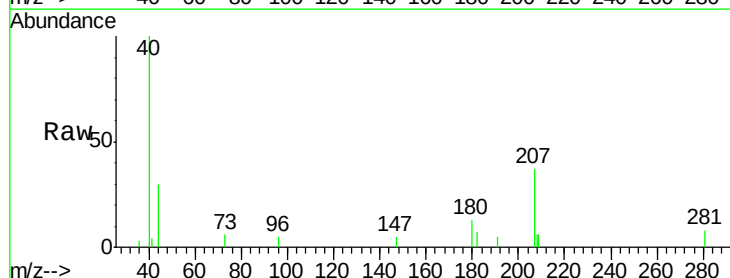
Tgt Ion:180 Resp: 1095

Ion Ratio Lower Upper

180 100

182 76.5 47.3 141.8

145 5.5 14.4 43.0#



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

