

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012819\
 Data File : VN053534.D
 Acq On : 28 Jan 2019 9:57
 Operator : JC/SP
 Sample : VN0128WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBL01

Quant Time: Jan 29 06:13:08 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
 Quant Title : SW846 8260
 QLast Update : Wed Jan 16 03:10:53 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	764243	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1223368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1094204	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	461350	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	402981	53.35	ug/l	0.00
Spiked Amount			Recovery	=	106.70%	
35) Dibromofluoromethane	7.59	113	390414	55.92	ug/l	0.00
Spiked Amount			Recovery	=	111.84%	
50) Toluene-d8	10.09	98	1468487	49.73	ug/l	0.00
Spiked Amount			Recovery	=	99.46%	
62) 4-Bromofluorobenzene	12.40	95	478892	46.25	ug/l	0.00
Spiked Amount			Recovery	=	92.50%	

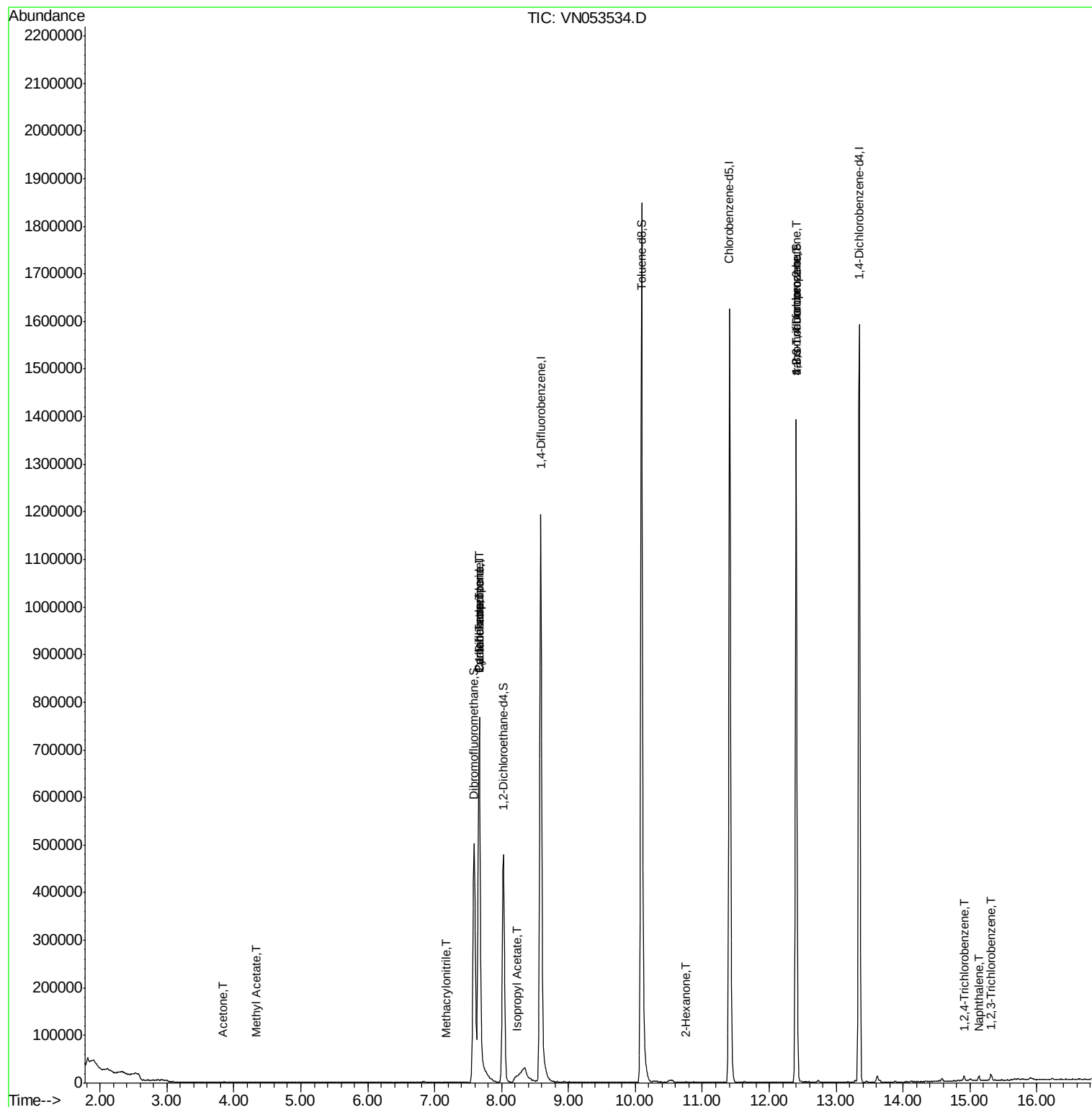
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
16) Acetone	3.83	43	1731	0.977	ug/l	89
18) Methyl Acetate	4.34	43	2320	0.389	ug/l	95
31) Cyclohexane	7.67	56	11491	0.645	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	46710	4.192	ug/l #	48
38) Carbon Tetrachloride	7.66	117	60451	5.731	ug/l #	16
41) Methacrylonitrile	7.17	41	29	0.675	ug/l #	22
43) Isopropyl Acetate	8.23	43	14182	1.230	ug/l #	51
59) 2-Hexanone	10.76	43	1145	0.259	ug/l	71
76) 1,2,3-Trichloropropane	12.40	75	227730	37.457	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	227730	92.526	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	3658	3.310	ug/l	95
95) Naphthalene	15.14	128	8565	4.646	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5481	4.990	ug/l	91

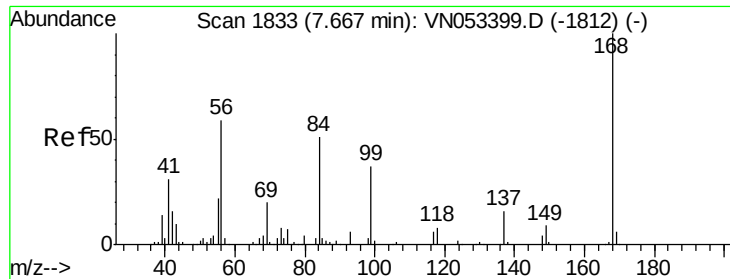
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
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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: VN053534.D

Acq: 28 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

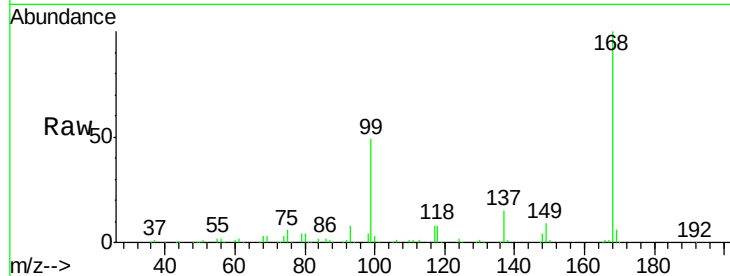
VN0128WBL01

Tot Ion:168 Resp: 764243

Ion Ratio Lower Upper

168 100

99 49.3 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.67

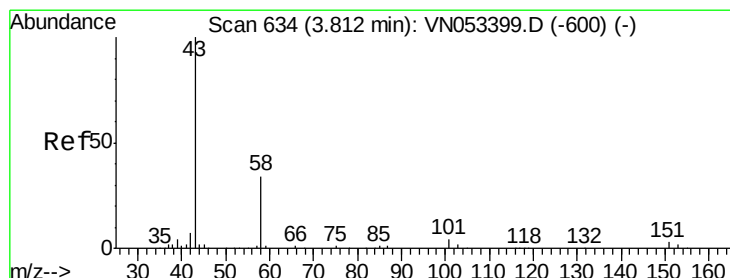
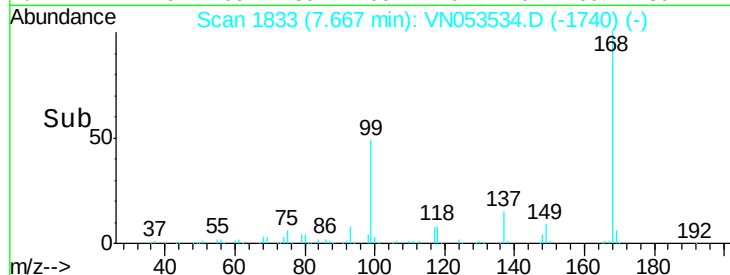
300000

200000

100000

0

Time-->



#16

Acetone

Concen: 0.977 ug/l

RT: 3.83 min Scan# 641

Delta R.T. 0.02 min

Lab File: VN053534.D

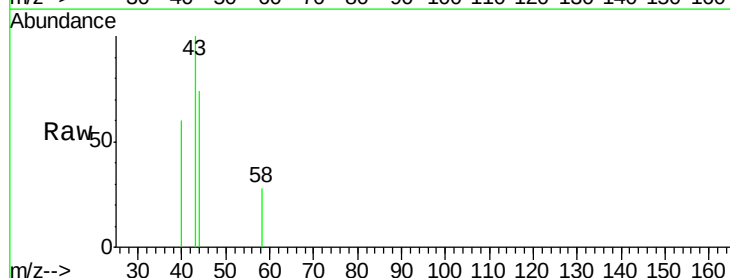
Acq: 28 Jan 2019 9:57

Tgt Ion: 43 Resp: 1731

Ion Ratio Lower Upper

43 100

58 27.8 27.1 40.7



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

3.83

1200

1000

800

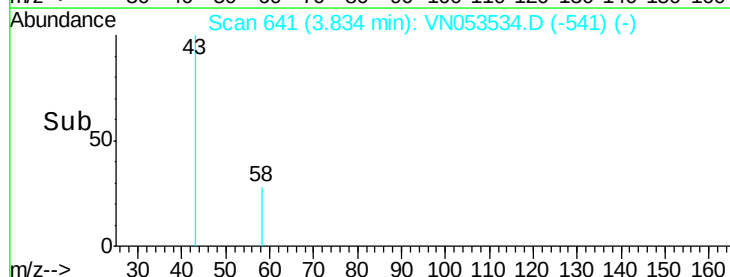
600

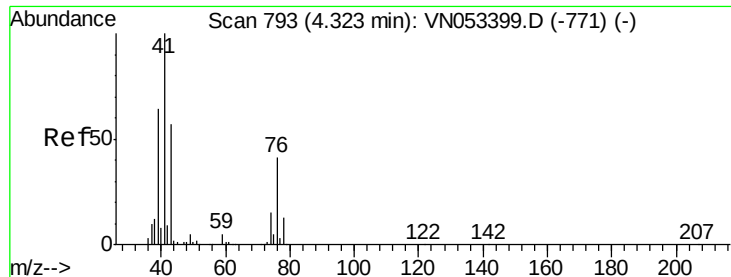
400

200

0

Time-->

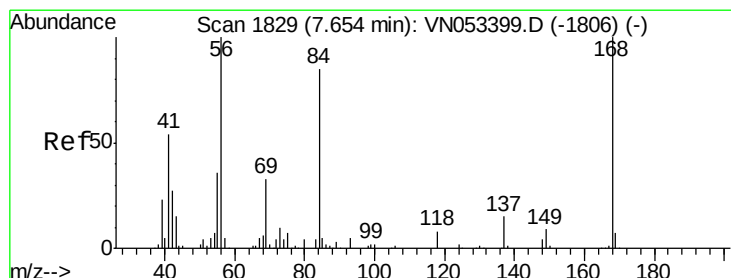
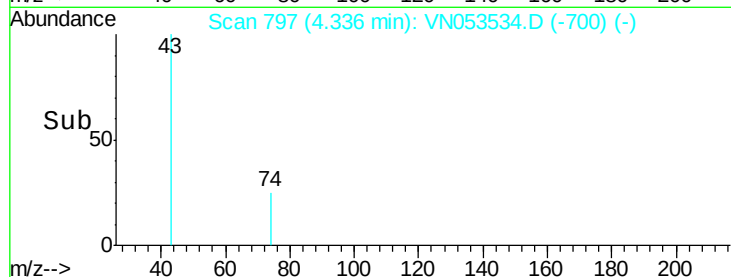
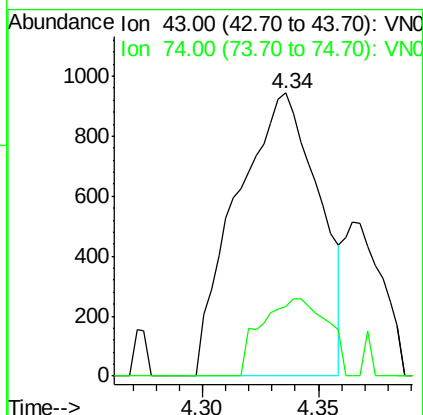
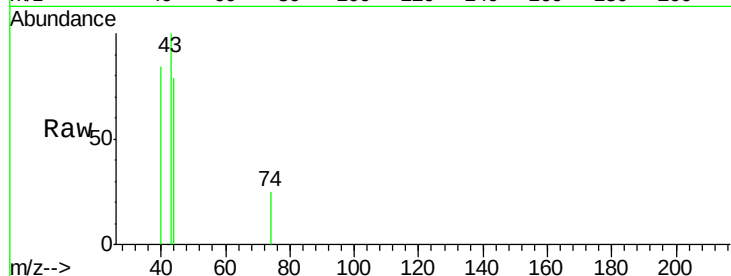




#18
Methvl Acetate
Concen: 0.389 ug/l
RT: 4.34 min Scan# 797
Delta R.T. 0.01 min
Lab File: VN053534.D
Acq: 28 Jan 2019 9:57

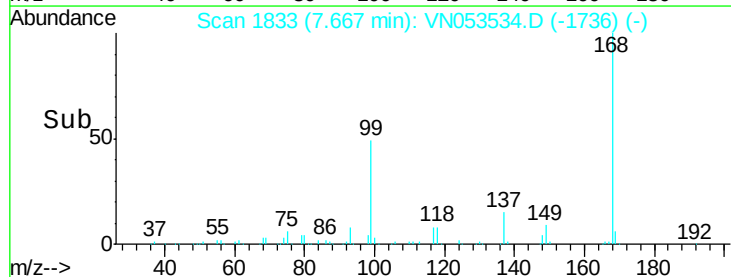
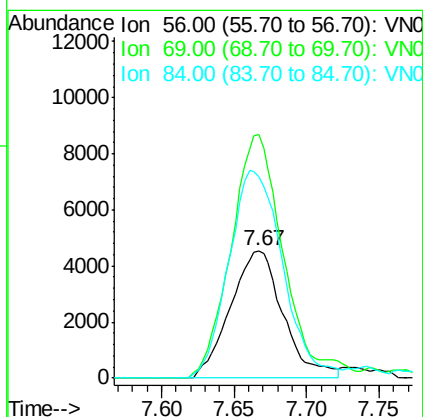
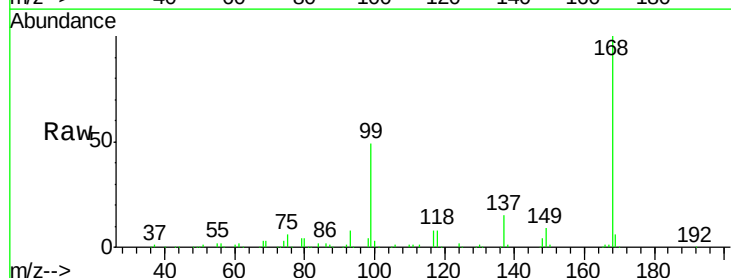
Instrument :
MSVOA_N
ClientSampled :
VN0128WBL01

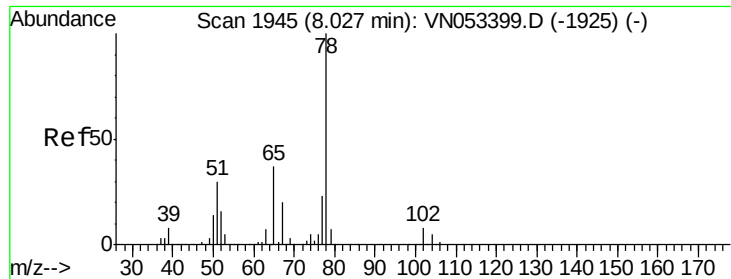
Tot Ion: 43 Resp: 2320
Ion Ratio Lower Upper
43 100
74 22.0 19.4 29.2



#31
Cyclohexane
Concen: 0.645 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053534.D
Acq: 28 Jan 2019 9:57

Tgt Ion: 56 Resp: 11491
Ion Ratio Lower Upper
56 100
69 191.2 26.4 39.6#
84 157.7 67.9 101.9#

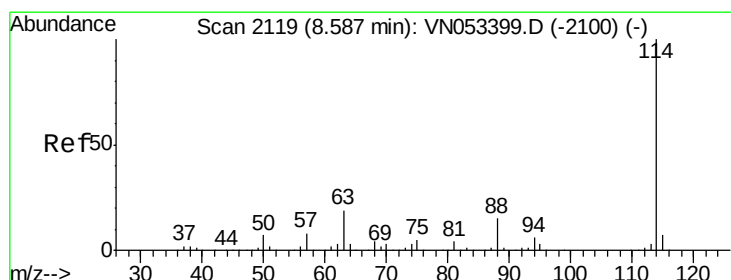
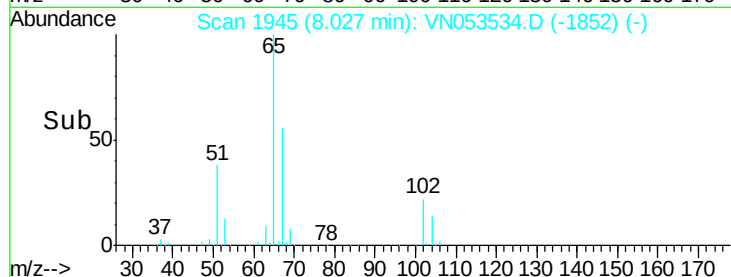
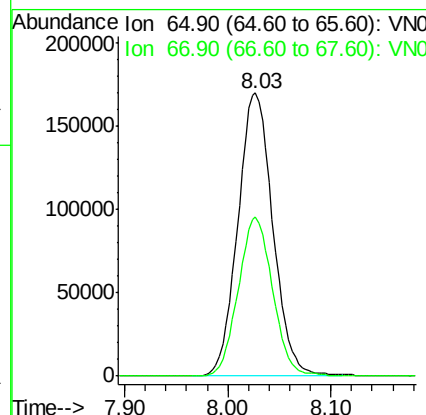
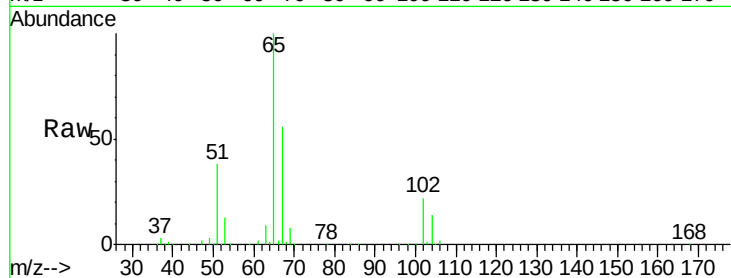




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053534.D
 Acq: 28 Jan 2019 9:57

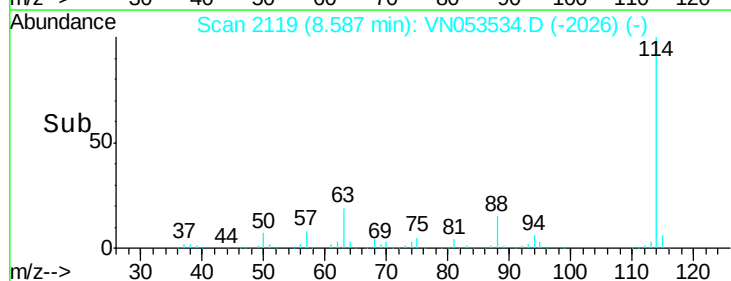
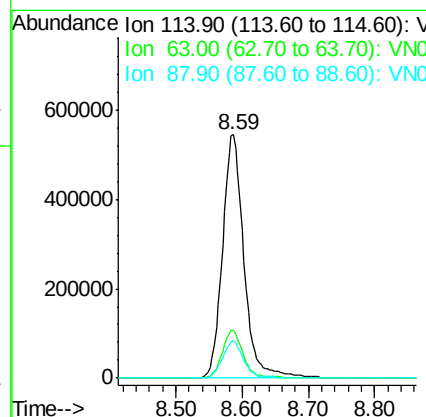
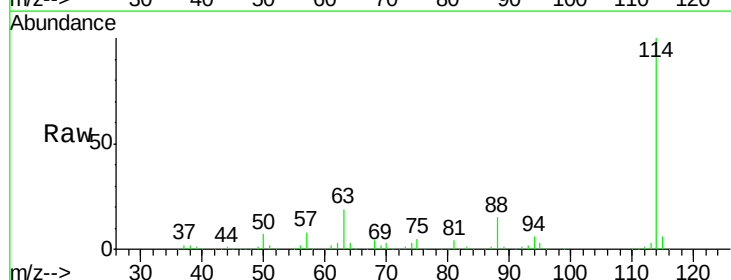
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBL01

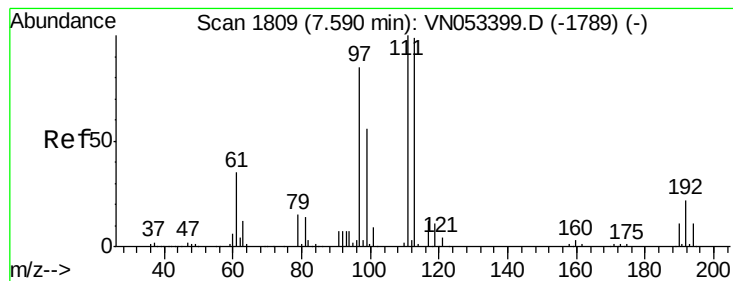
Tot Ion: 65 Resp: 402981
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. 0.00 min
 Lab File: VN053534.D
 Acq: 28 Jan 2019 9:57

Tgt Ion: 114 Resp: 1223368
 Ion Ratio Lower Upper
 114 100
 63 19.5 0.0 38.6
 88 15.3 0.0 30.4





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

VN0128WBL01

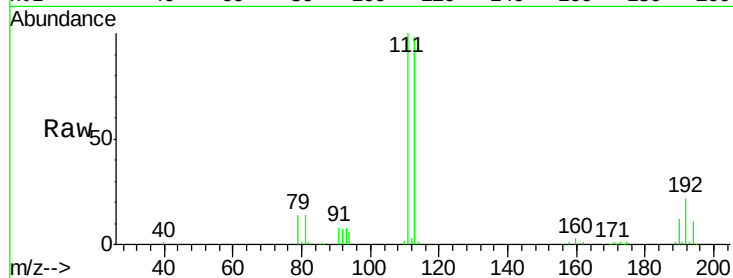
Tot Ion:113 Resp: 390414

Ion Ratio Lower Upper

113 100

111 102.1 81.1 121.7

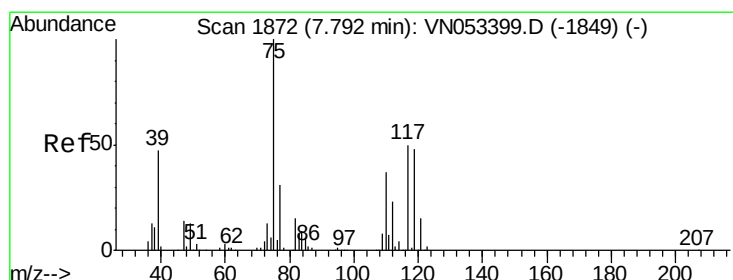
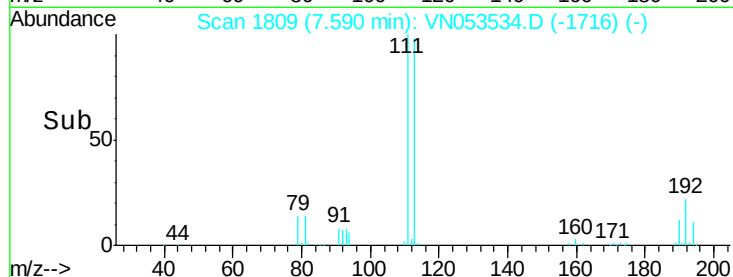
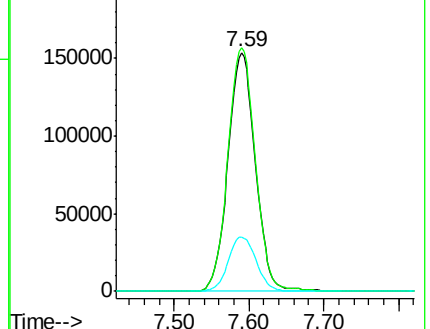
192 23.2 18.2 27.2



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: 4.192 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

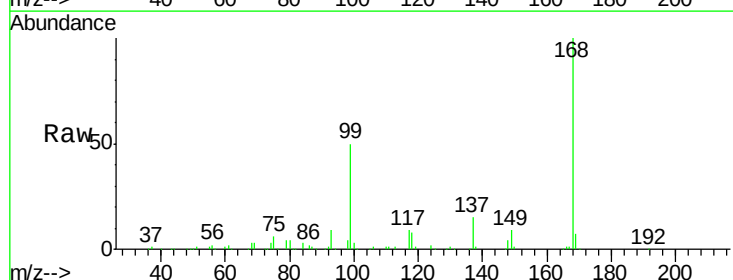
Tgt Ion: 75 Resp: 46710

Ion Ratio Lower Upper

75 100

110 8.2 18.1 54.3#

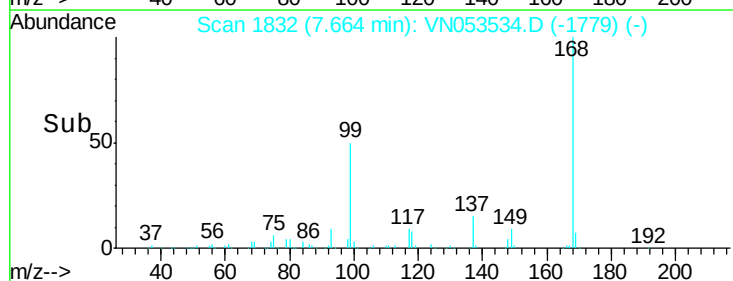
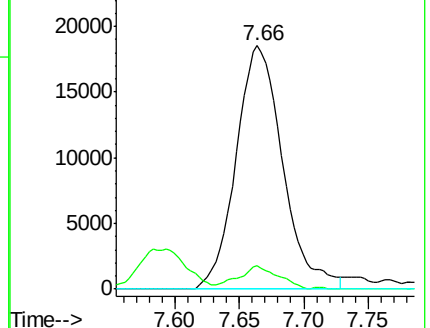
77 0.0 25.1 37.7#

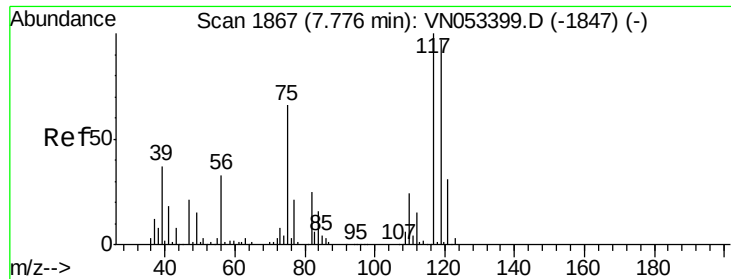


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.731 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

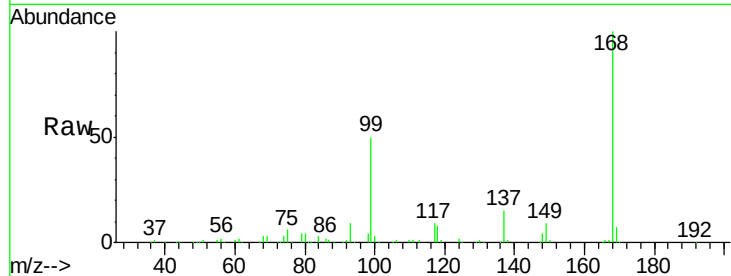
Tot Ion:117 Resp: 60451

Ion Ratio Lower Upper

117 100

119 6.1 77.2 115.8#

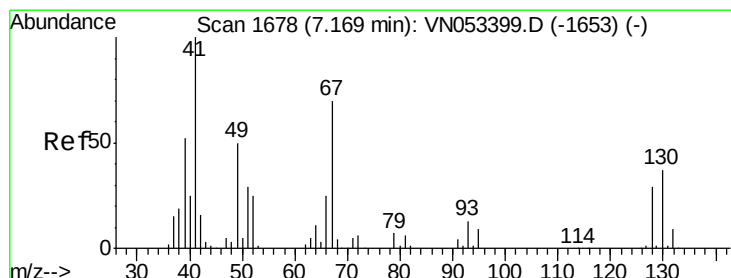
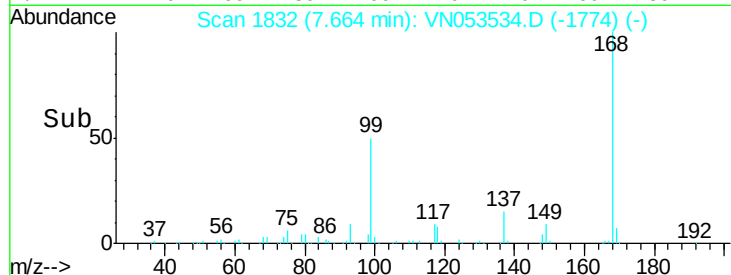
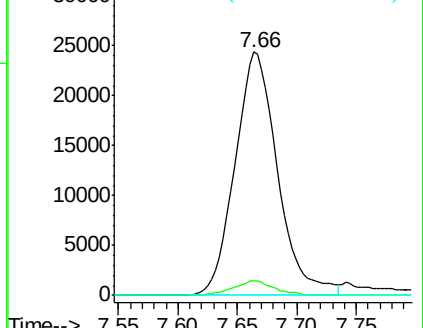
121 0.0 24.6 37.0#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V



#41

Methacrylonitrile

Concen: 0.675 ug/l

RT: 7.17 min Scan# 1679

Delta R.T. 0.00 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

Tgt Ion: 41 Resp: 29

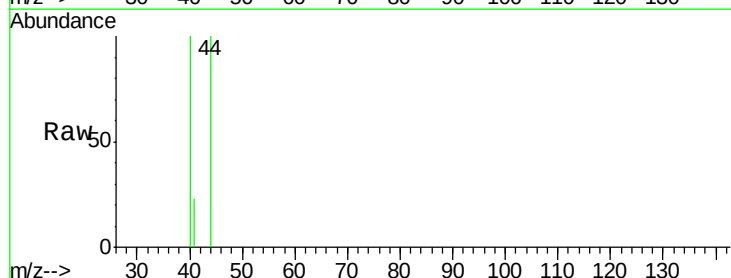
Ion Ratio Lower Upper

41 100

39 113.8 46.8 70.2#

67 0.0 63.0 94.6#

52 0.0 23.8 35.8#

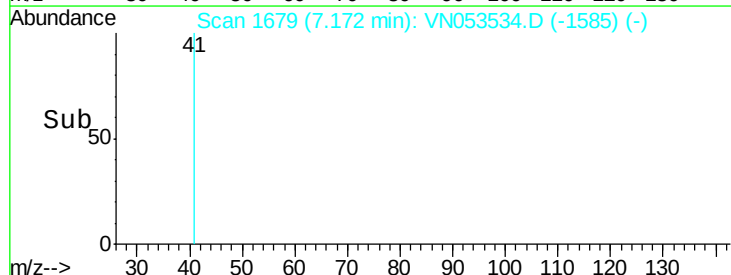
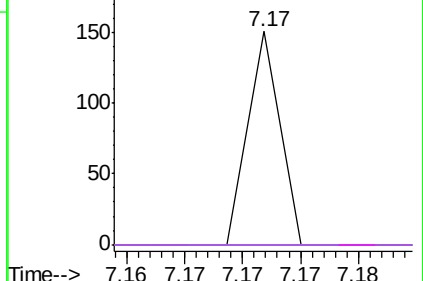


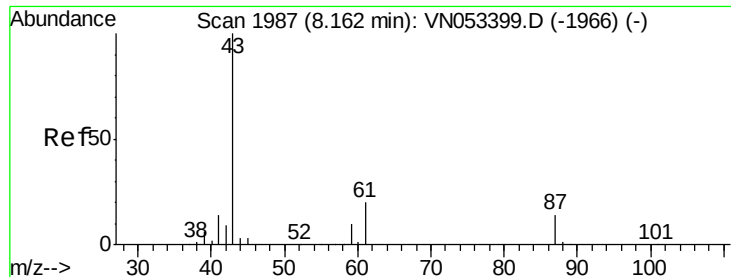
Abundance Ion 41.00 (40.70 to 41.70): V

Ion 39.00 (38.70 to 39.70): V

Ion 67.00 (66.70 to 67.70): V

Ion 52.00 (51.70 to 52.70): V





#43

Isopropyl Acetate

Concen: 1.230 ug/l

RT: 8.23 min Scan# 2008

Delta R.T. 0.07 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampleId :

VN0128WBL01

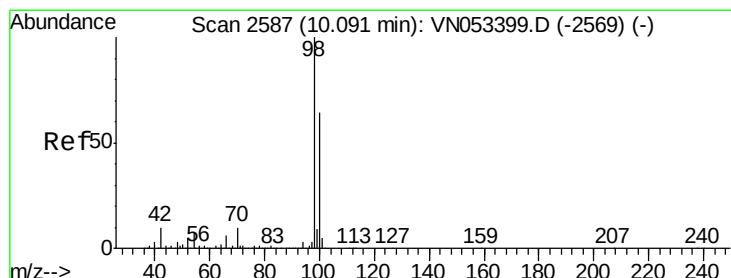
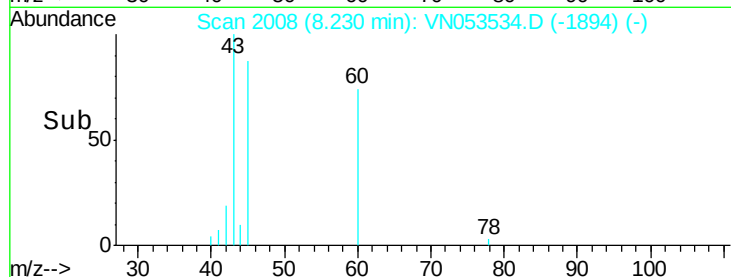
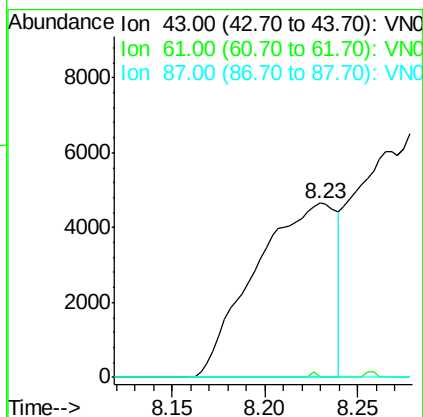
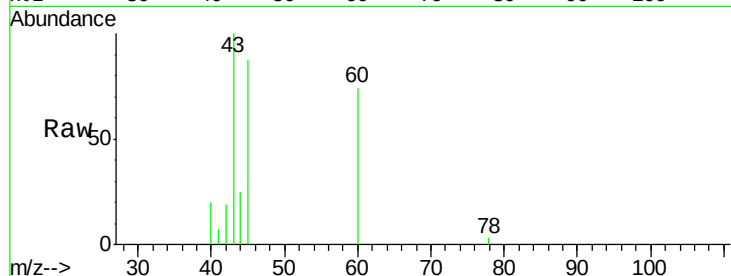
Tot Ion: 43 Resp: 14182

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

87 0.0 11.0 16.6#



#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.00 min

Lab File: VN053534.D

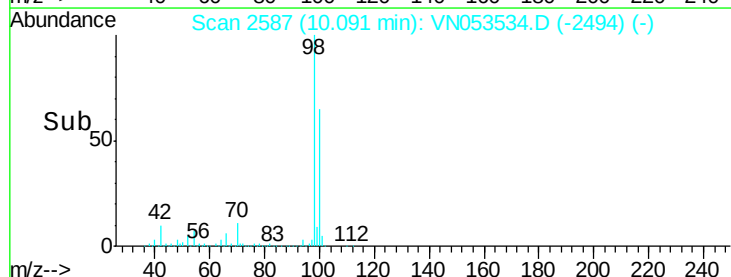
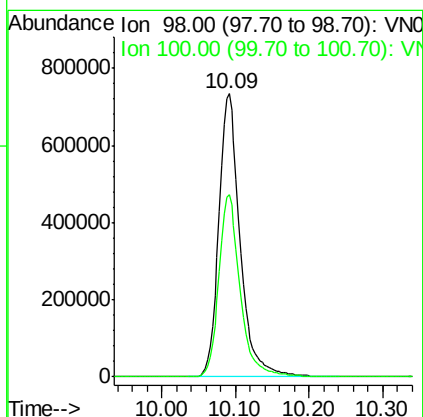
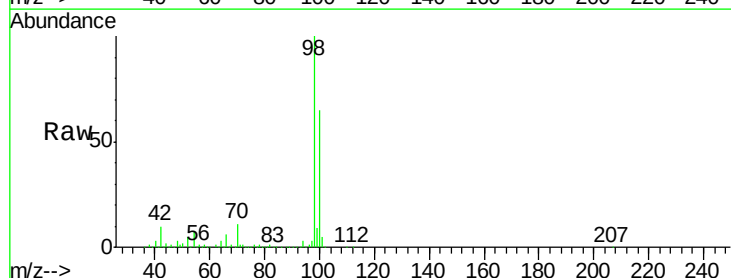
Acq: 28 Jan 2019 9:57

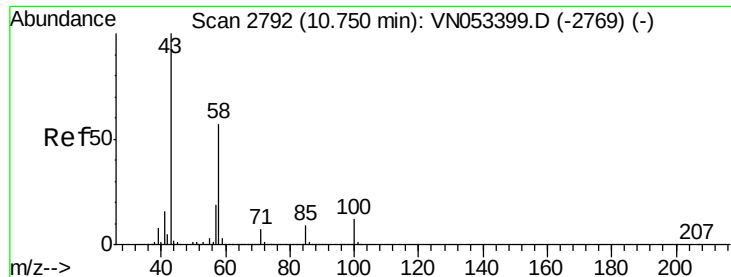
Tgt Ion: 98 Resp: 1468487

Ion Ratio Lower Upper

98 100

100 64.4 51.4 77.0





#59

2-Hexanone

Concen: 0.259 ug/l

RT: 10.76 min Scan# 2794

Delta R.T. 0.01 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

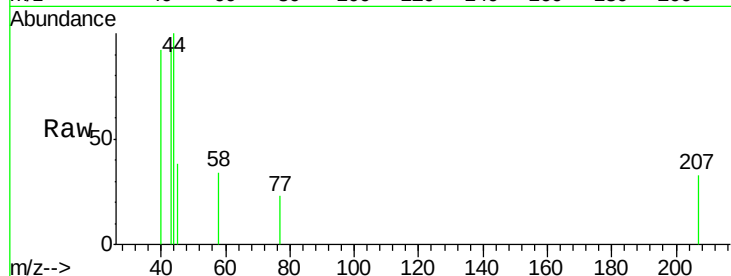
VN0128WBL01

Tot Ion: 43 Resp: 1145

Ion Ratio Lower Upper

43 100

58 35.5 28.6 85.8



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0

10.76

800

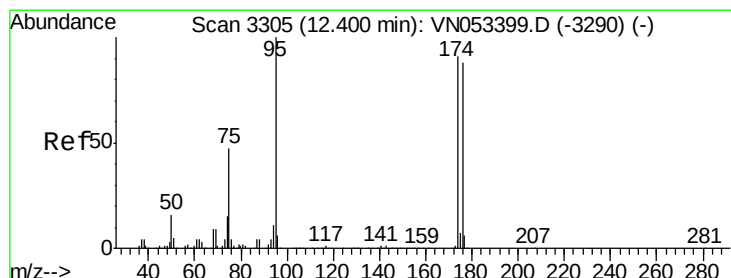
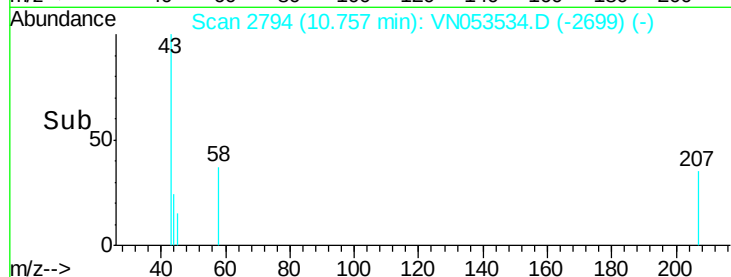
600

400

200

0

Time-->



#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.00 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

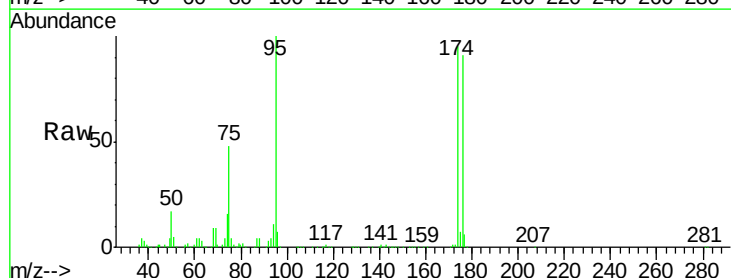
Tgt Ion: 95 Resp: 478892

Ion Ratio Lower Upper

95 100

174 94.5 0.0 183.2

176 90.2 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

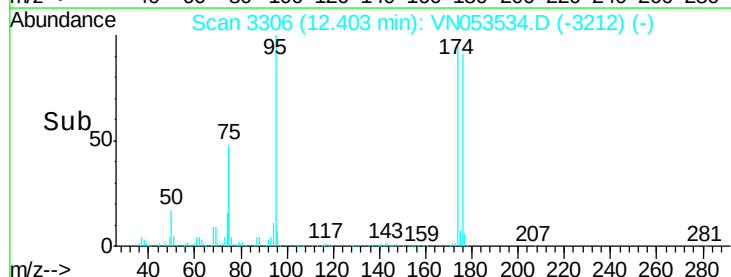
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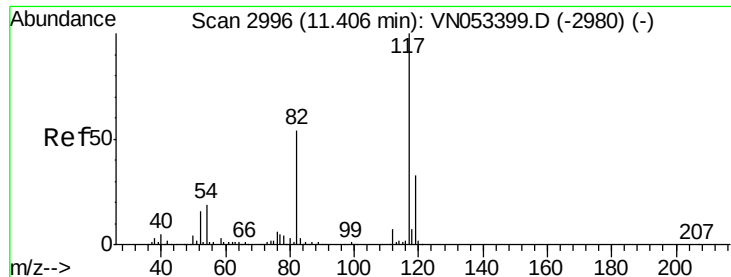
200000

100000

0

Time-->

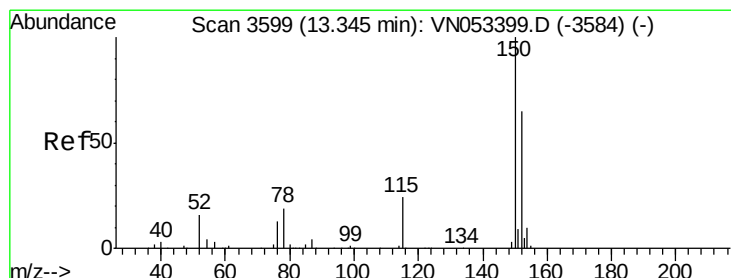
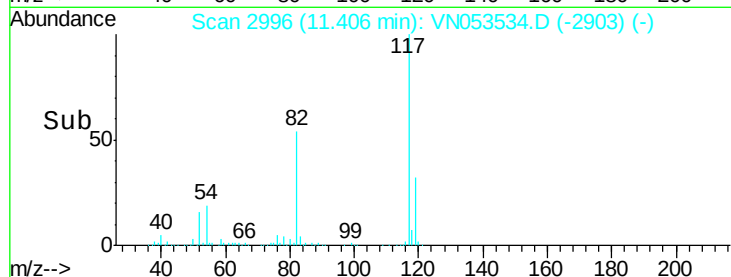
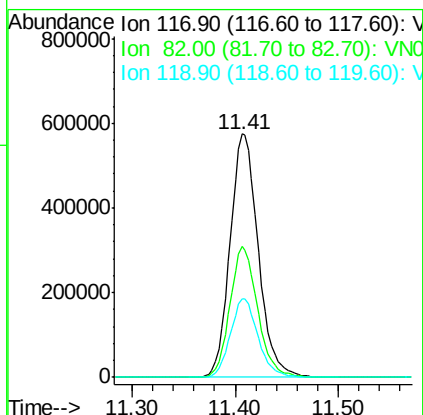
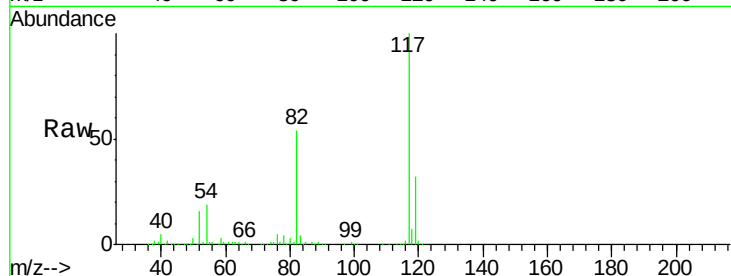




#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053534.D
Acq: 28 Jan 2019 9:57

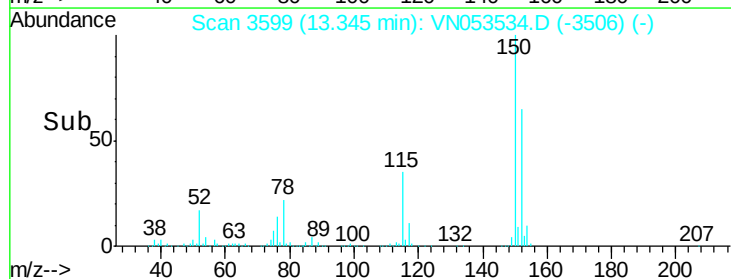
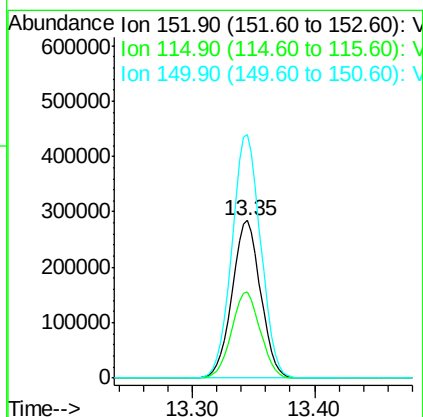
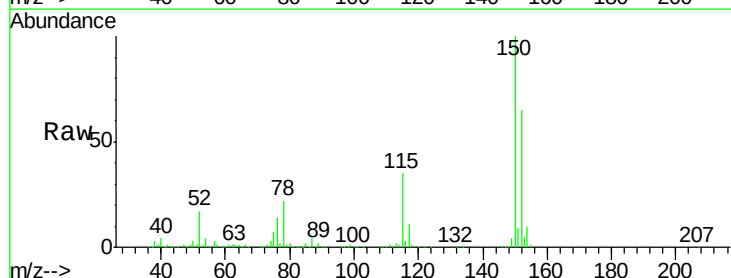
Instrument :
MSVOA_N
ClientSampleId :
VN0128WBL01

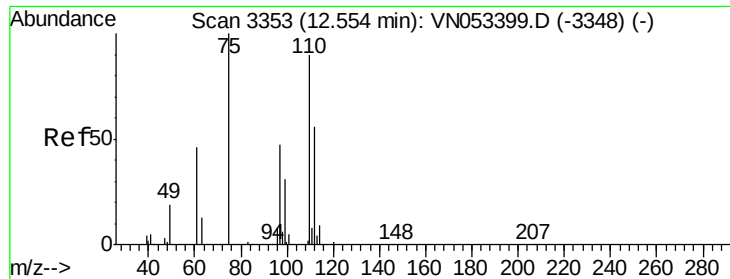
Tot Ion:117 Resp: 1094204
Ion Ratio Lower Upper
117 100
82 53.6 42.9 64.3
119 32.5 26.0 39.0



#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.35 min Scan# 3599
Delta R.T. 0.00 min
Lab File: VN053534.D
Acq: 28 Jan 2019 9:57

Tgt Ion:152 Resp: 461350
Ion Ratio Lower Upper
152 100
115 55.1 27.8 83.4
150 156.0 0.0 349.0





#76

1,2,3-Trichloropropane

Concen: 37.457 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

Instrument :

MSVOA_N

ClientSampled :

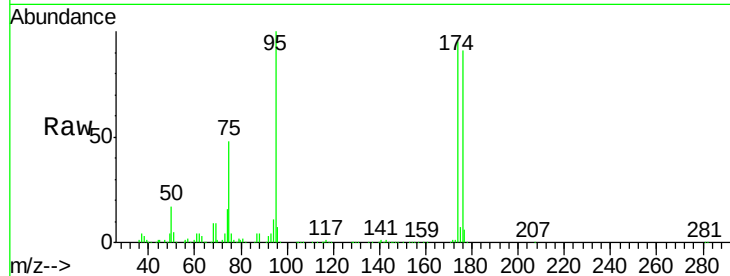
VN0128WBL01

Tot Ion: 75 Resp: 227730

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

12.40

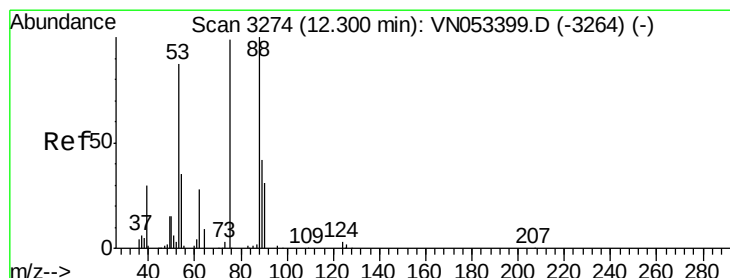
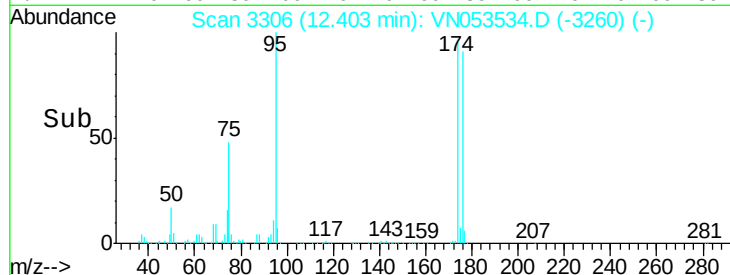
150000

100000

50000

0

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 92.526 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN053534.D

Acq: 28 Jan 2019 9:57

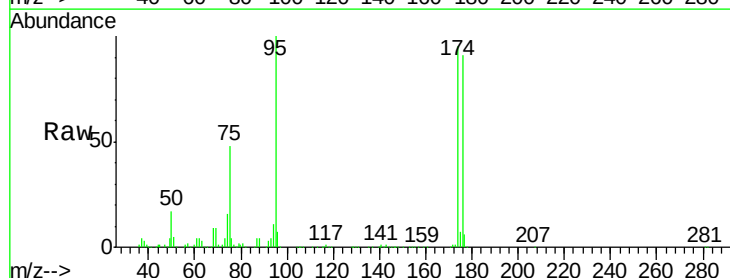
Tgt Ion: 75 Resp: 227730

Ion Ratio Lower Upper

75 100

53 0.0 69.8 104.6#

89 0.0 35.6 53.4#



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

12.40

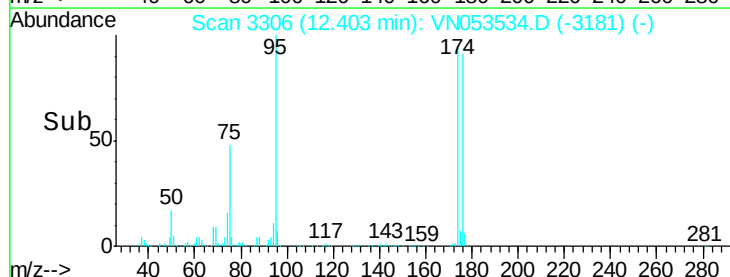
150000

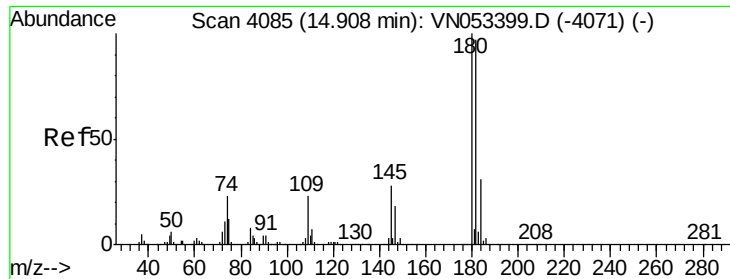
100000

50000

0

Time-->

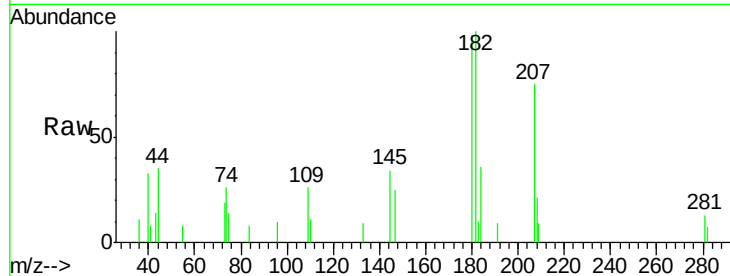




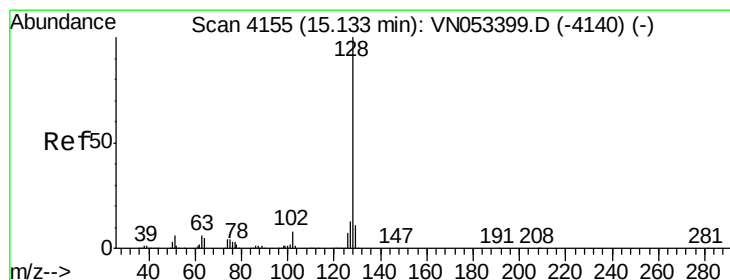
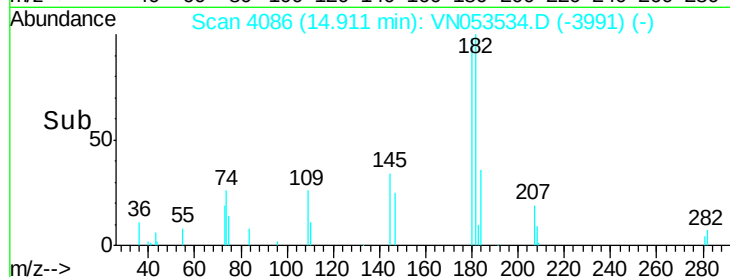
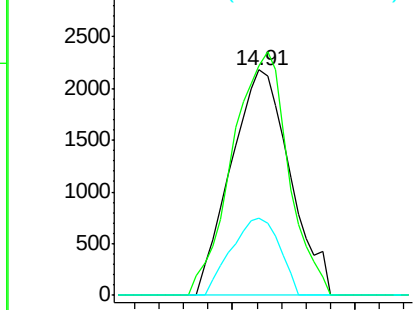
#93
 1,2,4-Trichlorobenzene
 Concen: 3.310 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053534.D
 Acq: 28 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampled :
 VN0128WBL01

Tot Ion:180 Resp: 3658
 Ion Ratio Lower Upper
 180 100
 182 102.6 48.1 144.3
 145 28.0 13.9 41.6

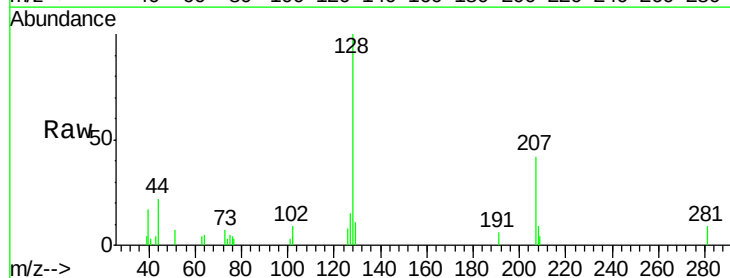


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

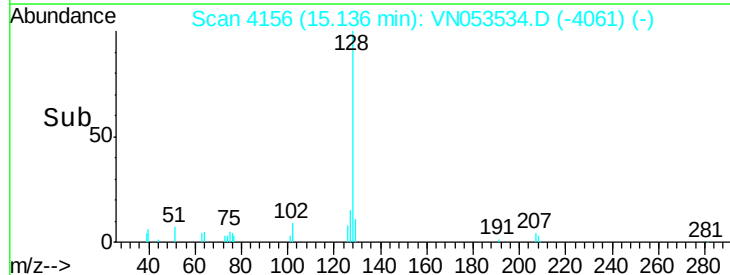
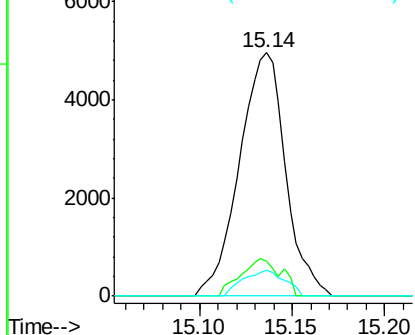


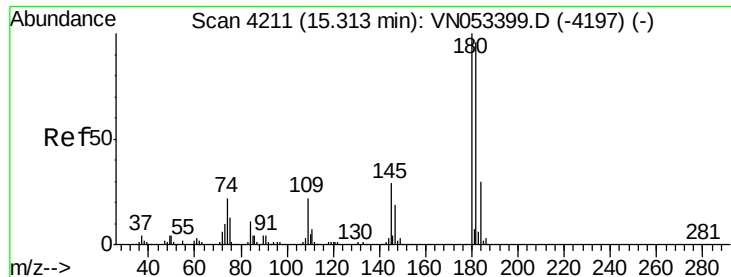
#95
 Naphthalene
 Concen: 4.646 ug/l
 RT: 15.14 min Scan# 4156
 Delta R.T. 0.00 min
 Lab File: VN053534.D
 Acq: 28 Jan 2019 9:57

Tgt Ion:128 Resp: 8565
 Ion Ratio Lower Upper
 128 100
 127 13.5 10.3 15.5
 129 9.6 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

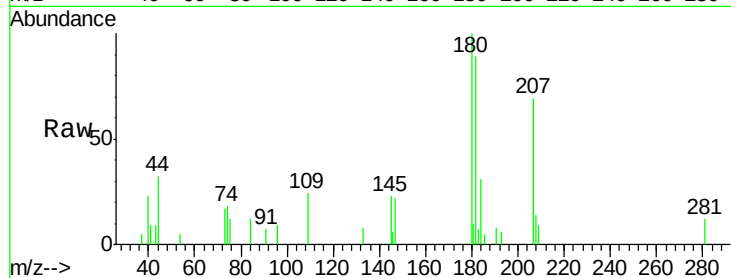




#96
 1,2,3-Trichlorobenzene
 Concen: 4.990 ug/l
 RT: 15.32 min Scan# 4212
 Delta R.T. 0.00 min
 Lab File: VN053534.D
 Acq: 28 Jan 2019 9:57

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0128WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	87.8	47.9	143.8
145	22.8	14.7	44.1



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

