

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN012219\
 Data File : VN053510.D
 Acq On : 22 Jan 2019 11:11
 Operator : JC/SP
 Sample : VN0122WBL01
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 4 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

Quant Time: Jan 23 02:51:48 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	7.66	168	828614	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1286320	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1182597	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	509333	50.00	ug/l	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
33) 1,2-Dichloroethane-d4	8.02	65	408618	49.89	ug/l	0.00
Spiked Amount			Recovery	=	99.78%	
35) Dibromofluoromethane	7.59	113	381970	52.03	ug/l	0.00
Spiked Amount			Recovery	=	104.06%	
50) Toluene-d8	10.09	98	1583540	51.01	ug/l	0.00
Spiked Amount			Recovery	=	102.02%	
62) 4-Bromofluorobenzene	12.40	95	526310	48.34	ug/l	0.00
Spiked Amount			Recovery	=	96.68%	

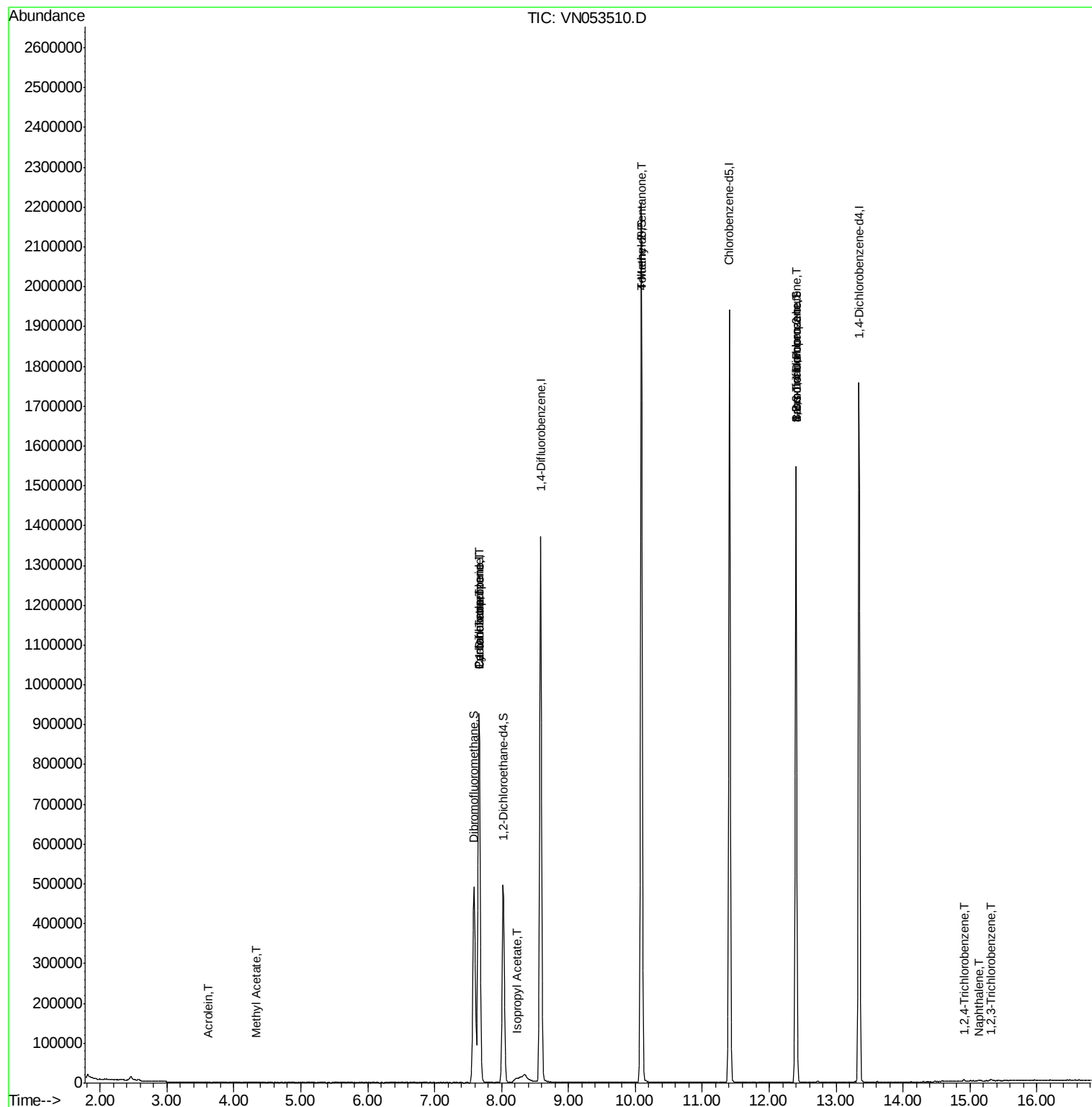
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.63	56	293	23.078	ug/l #	14
18) Methyl Acetate	4.32	43	1756	0.271	ug/l #	51
31) Cyclohexane	7.67	56	13140	0.692	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	52888	4.515	ug/l #	50
38) Carbon Tetrachloride	7.66	117	69028	6.224	ug/l #	16
43) Isopropyl Acetate	8.22	43	11660	0.962	ug/l #	51
51) 4-Methyl-2-Pentanone	10.09	43	6572	0.993	ug/l #	1
71) Bromoform	12.39	173	1486	0.248	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	243986	36.351	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	243986	89.866	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1872	3.018	ug/l	79
95) Naphthalene	15.13	128	2768	4.146	ug/l	94
96) 1,2,3-Trichlorobenzene	15.31	180	1531	4.179	ug/l	98

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

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA N\DATA\VN012219\
Data File : VN053510.D
Acq On : 22 Jan 2019 11:11
Operator : JC/SP
Sample : VN0122WBL01
Misc : 5.00mL/MSVOA N/WATER
ALS Vial : 4 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0122WBL01

Quant Time: Jan 23 02:51:48 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N011519W.M
Quant Title : SW846 8260
QLast Update : Wed Jan 16 03:10:53 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: VN053510.D

Acq: 22 Jan 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

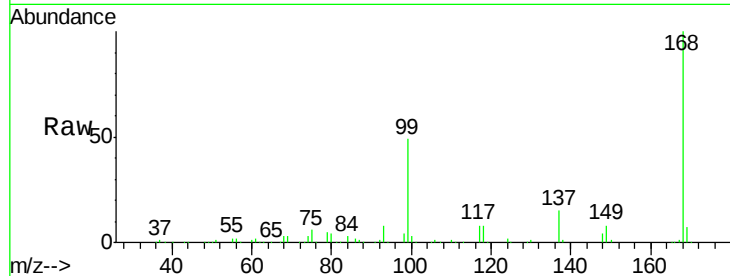
VN0122WBL01

Tot Ion:168 Resp: 828614

Ion Ratio Lower Upper

168 100

99 49.2 39.1 58.7



Abundance Ion 167.90 (167.60 to 168.60): VN053399.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN053399.D (-1812) (-)

7.66

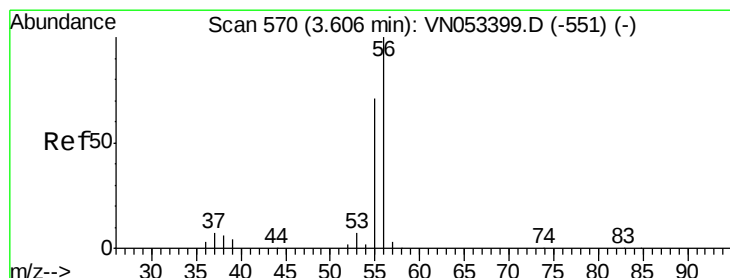
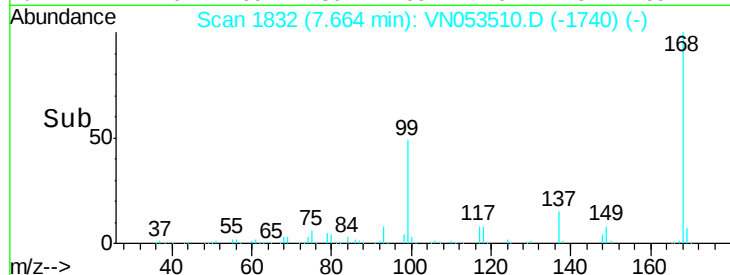
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 23.078 ug/l

RT: 3.63 min Scan# 577

Delta R.T. 0.02 min

Lab File: VN053510.D

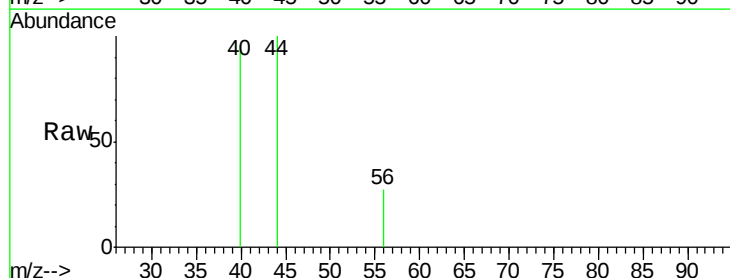
Acq: 22 Jan 2019 11:11

Tgt Ion: 56 Resp: 293

Ion Ratio Lower Upper

56 100

55 0.0 57.4 86.0#



Abundance Ion 56.00 (55.70 to 56.70): VN053399.D (-551) (-)

Ion 55.00 (54.70 to 55.70): VN053399.D (-551) (-)

3.63

200

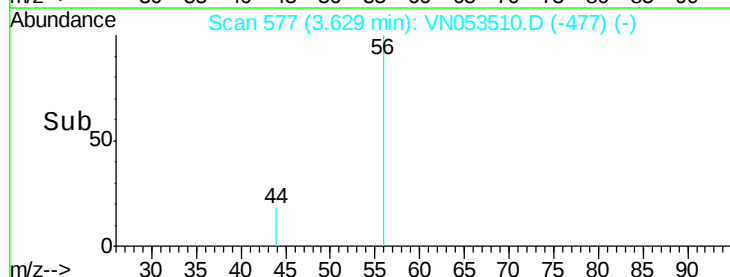
150

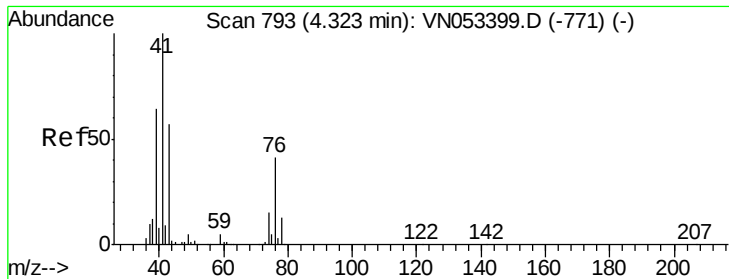
100

50

0

Time-->

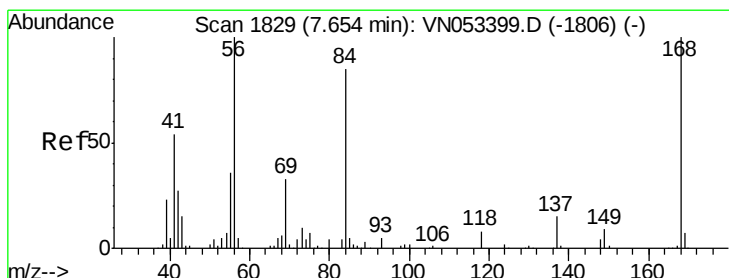
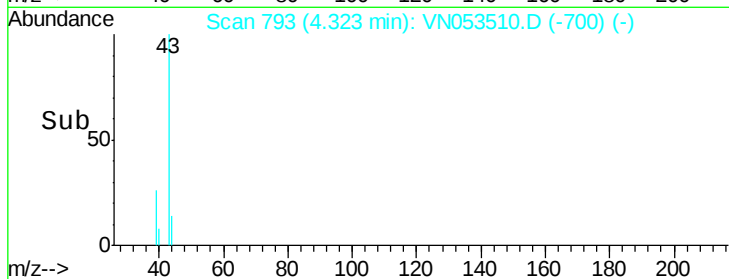
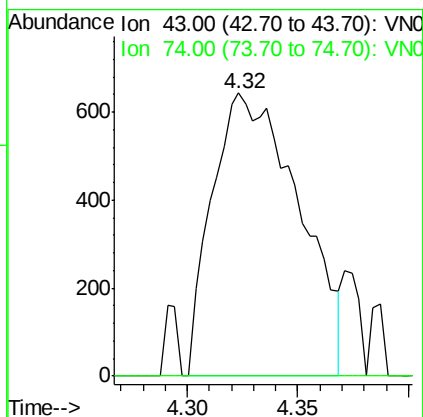
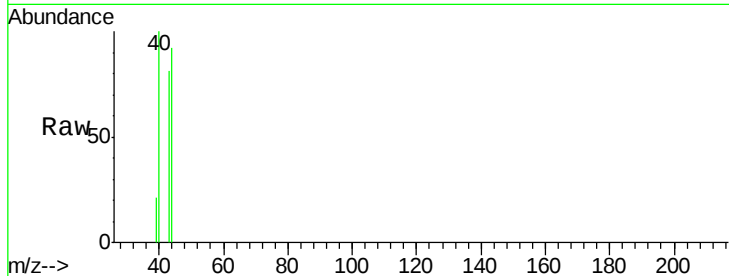




#18
Methvl Acetate
Concen: 0.271 ug/l
RT: 4.32 min Scan# 793
Delta R.T. 0.00 min
Lab File: VN053510.D
Acq: 22 Jan 2019 11:11

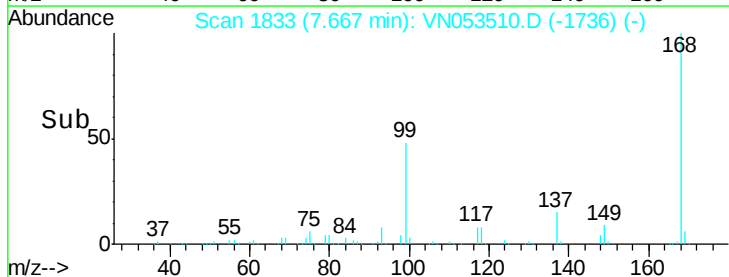
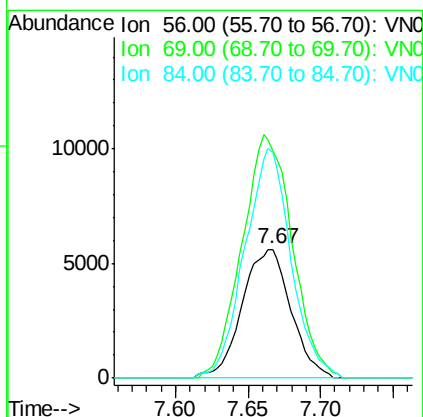
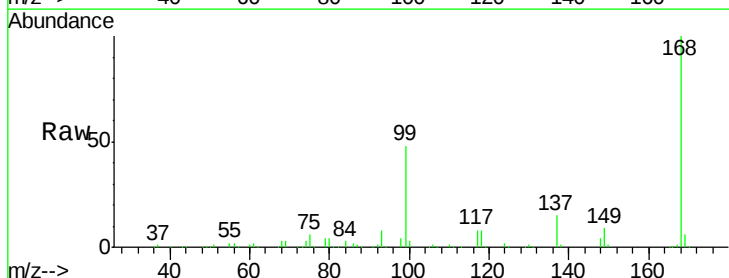
Instrument :
MSVOA_N
ClientSampleId :
VN0122WBL01

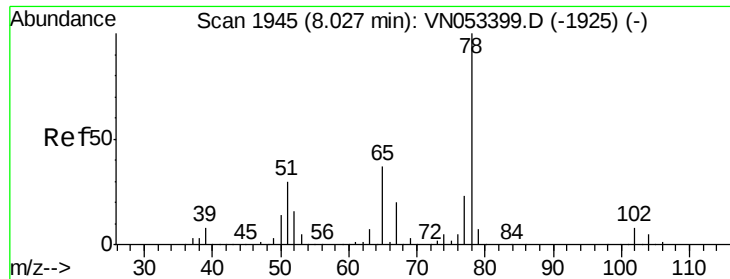
Tot Ion: 43 Resp: 1756
Ion Ratio Lower Upper
43 100
74 0.0 19.4 29.2#



#31
Cyclohexane
Concen: 0.692 ug/l
RT: 7.67 min Scan# 1833
Delta R.T. 0.01 min
Lab File: VN053510.D
Acq: 22 Jan 2019 11:11

Tgt Ion: 56 Resp: 13140
Ion Ratio Lower Upper
56 100
69 175.8 26.4 39.6#
84 175.4 67.9 101.9#

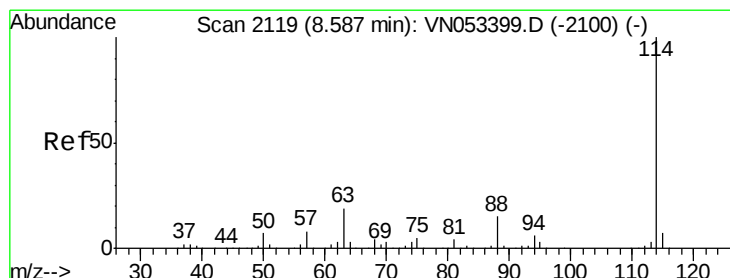
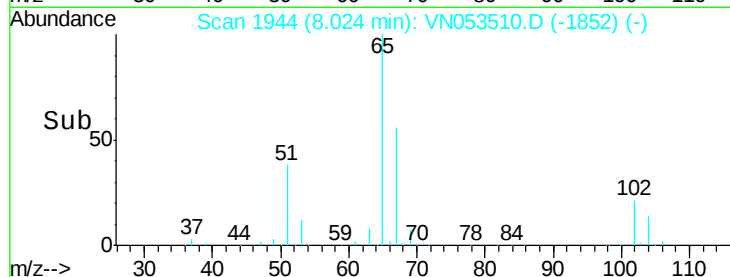
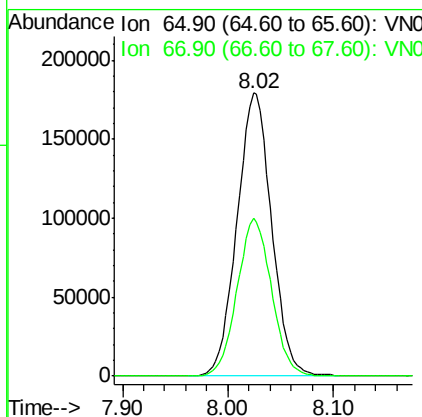
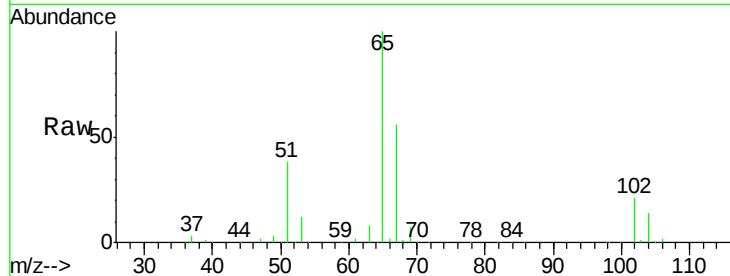




#33
 1,2-Dichloroethane-d4
 Concen: N.D. ug/l
 RT: 8.02 min Scan# 1944
 Delta R.T. -0.00 min
 Lab File: VN053510.D
 Acq: 22 Jan 2019 11:11

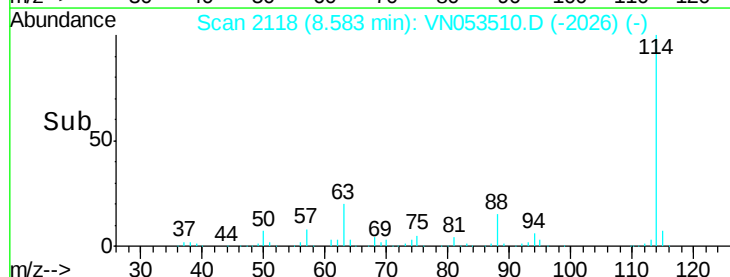
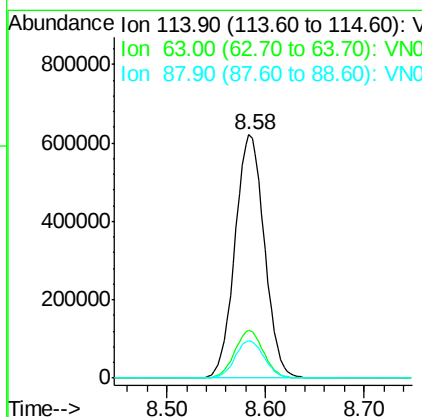
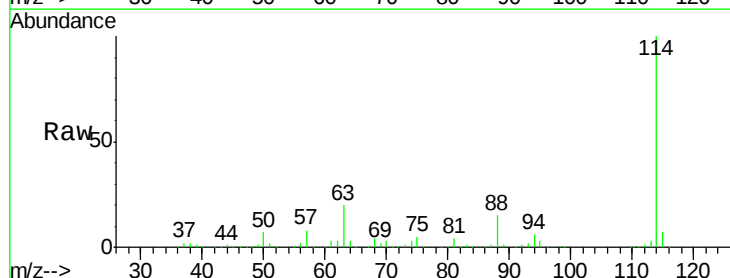
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

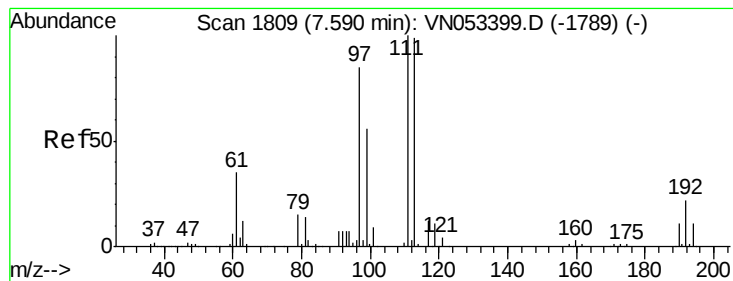
Tot Ion: 65 Resp: 408618
 Ion Ratio Lower Upper
 65 100
 67 55.3 0.0 111.2



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. -0.00 min
 Lab File: VN053510.D
 Acq: 22 Jan 2019 11:11

Tgt Ion: 114 Resp: 1286320
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 38.6
 88 15.4 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: VN053510.D

Acq: 22 Jan 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBL01

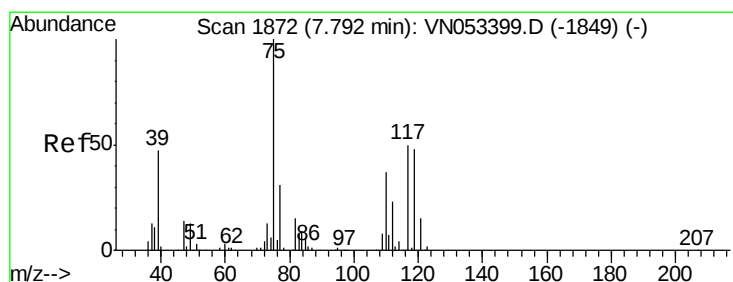
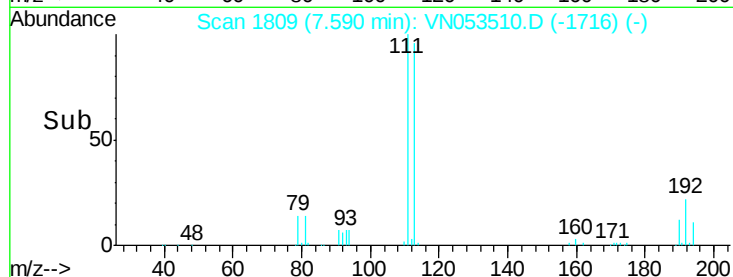
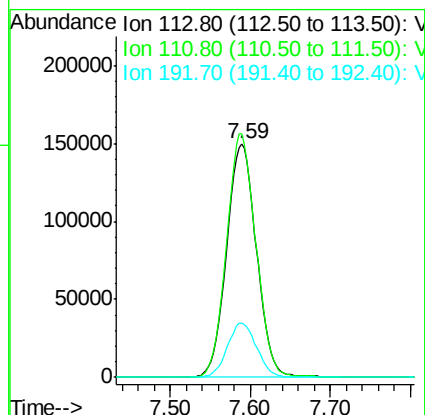
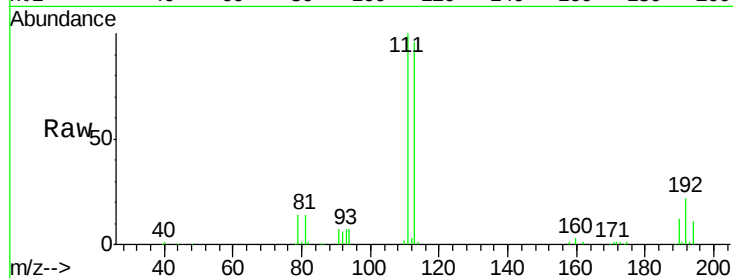
Tot Ion:113 Resp: 381970

Ion Ratio Lower Upper

113 100

111 102.9 81.1 121.7

192 22.9 18.2 27.2



#36

1,1-Dichloropropene

Concen: 4.515 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

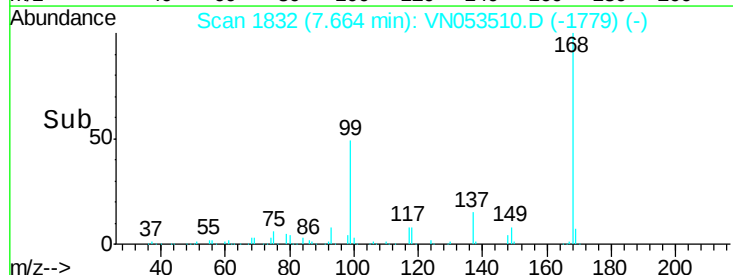
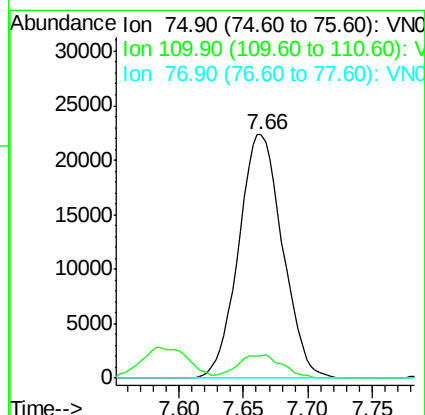
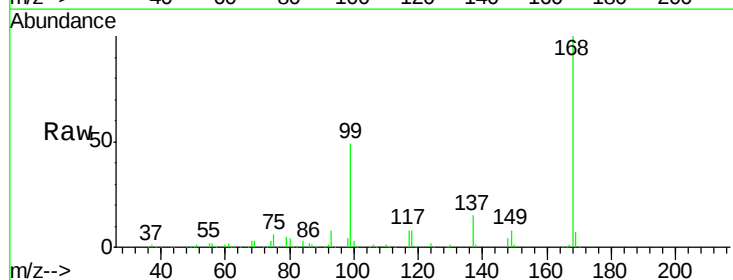
Tgt Ion: 75 Resp: 52888

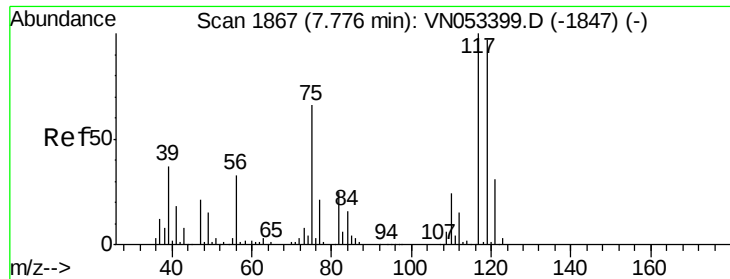
Ion Ratio Lower Upper

75 100

110 9.7 18.1 54.3#

77 0.0 25.1 37.7#





#38

Carbon Tetrachloride

Concen: 6.224 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.11 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBL01

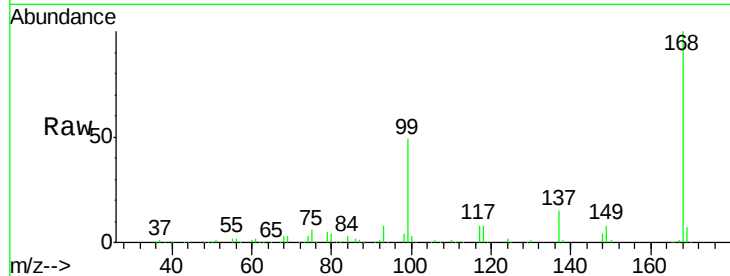
Tot Ion:117 Resp: 69028

Ion Ratio Lower Upper

117 100

119 5.5 77.2 115.8#

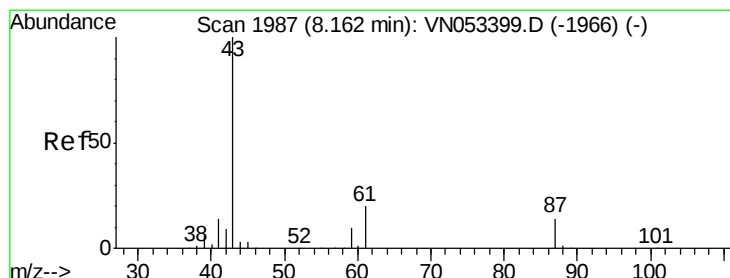
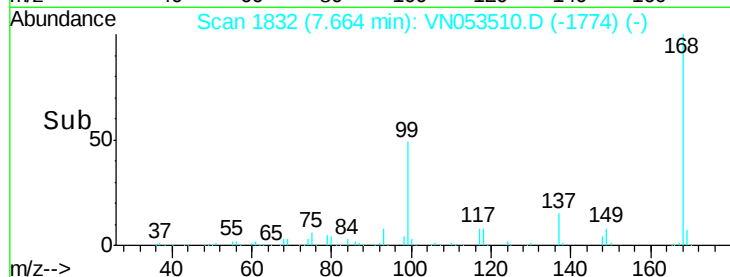
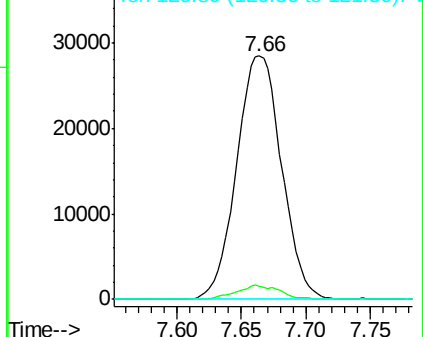
121 0.0 24.6 37.0#



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



#43

Isopropyl Acetate

Concen: 0.962 ug/l

RT: 8.22 min Scan# 2006

Delta R.T. 0.06 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

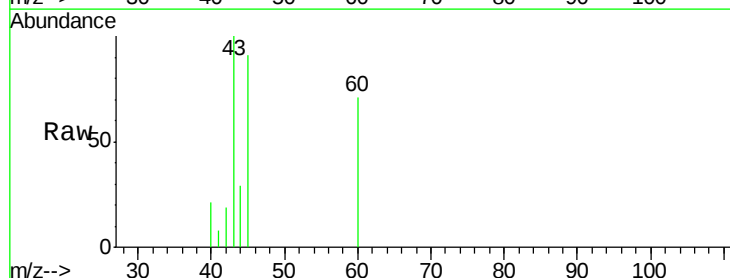
Tgt Ion: 43 Resp: 11660

Ion Ratio Lower Upper

43 100

61 0.0 23.9 35.9#

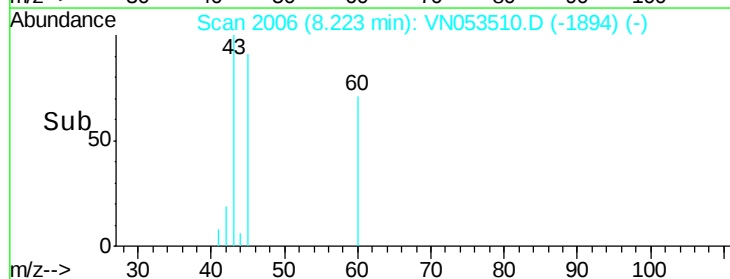
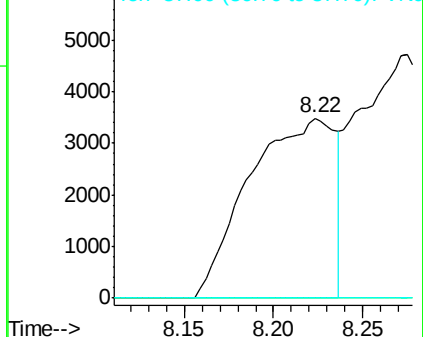
87 0.0 11.0 16.6#

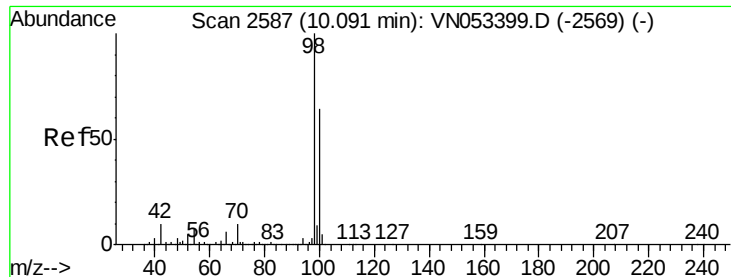


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: N.D. ug/l

RT: 10.09 min Scan# 2586

Delta R.T. -0.00 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

Instrument :

MSVOA_N

ClientSampled :

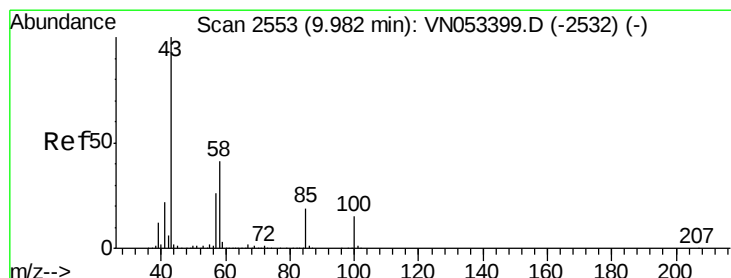
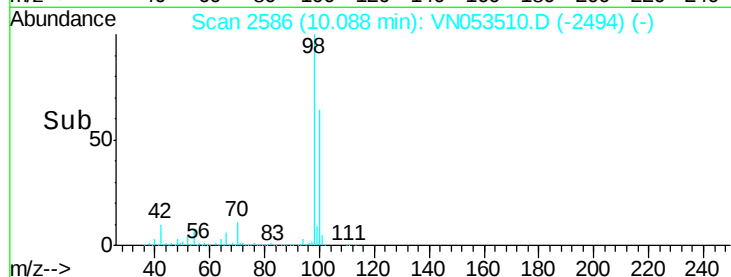
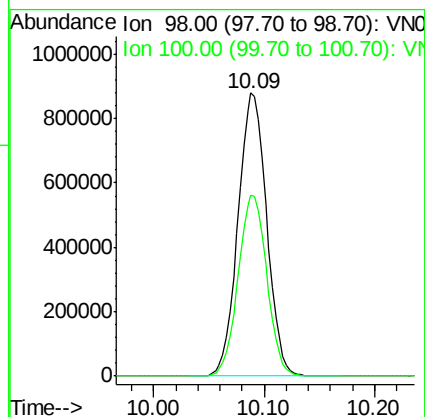
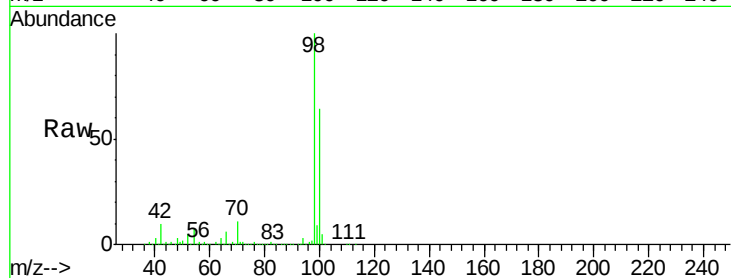
VN0122WBL01

Tot Ion: 98 Resp: 1583540

Ion Ratio Lower Upper

98 100

100 63.9 51.4 77.0



#51

4-Methyl-2-Pentanone

Concen: 0.993 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. 0.11 min

Lab File: VN053510.D

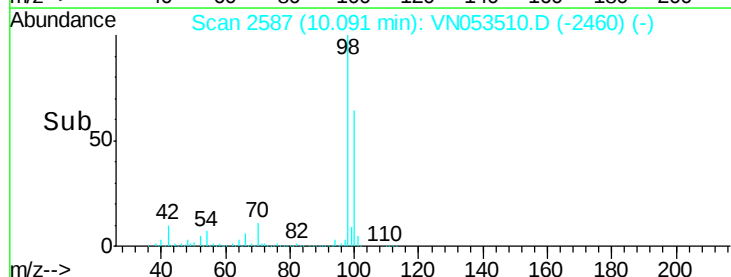
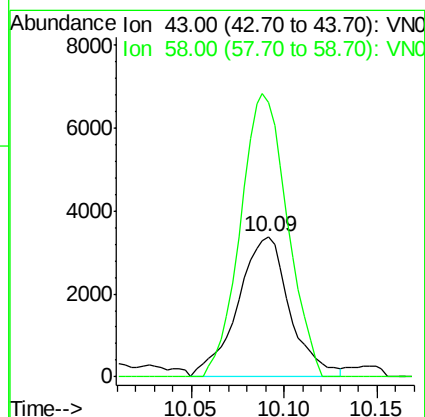
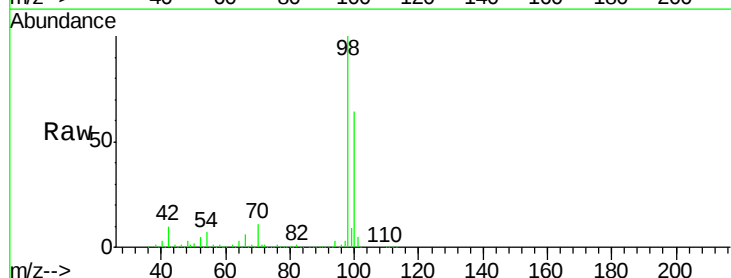
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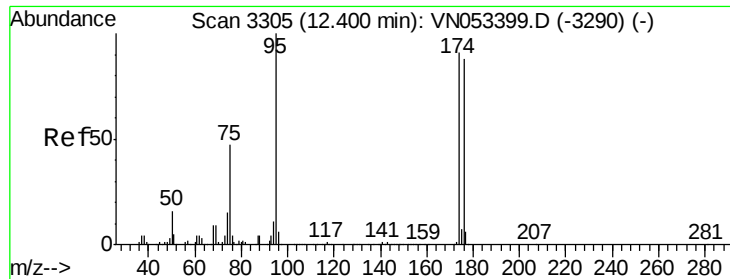
Tgt Ion: 43 Resp: 6572

Ion Ratio Lower Upper

43 100

58 181.6 32.8 49.2#





#62

4-Bromofluorobenzene

Concen: N.D. ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.00 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

VN0122WBL01

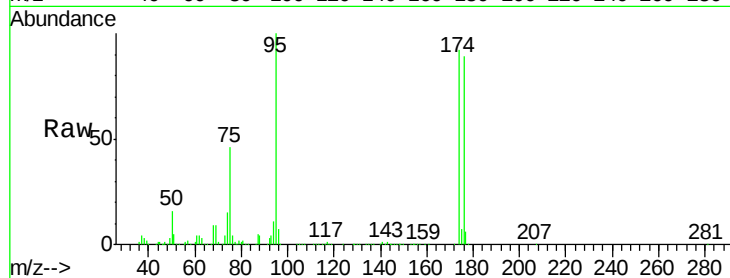
Tot Ion: 95 Resp: 526310

Ion Ratio Lower Upper

95 100

174 92.1 0.0 183.2

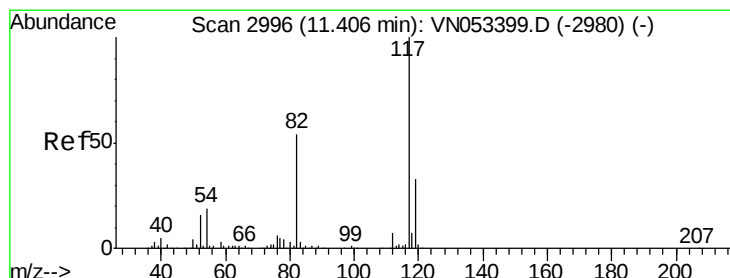
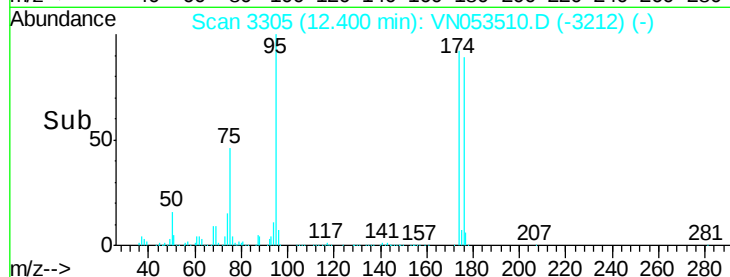
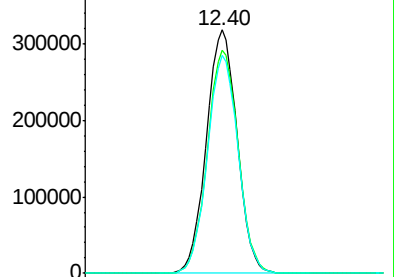
176 89.4 0.0 177.4



Abundance Ion 94.90 (94.60 to 95.60): VN053399.D (-3290) (-)

Ion 173.80 (173.50 to 174.50): VN053399.D (-3290) (-)

Ion 175.80 (175.50 to 176.50): VN053399.D (-3290) (-)



#63

Chlorobenzene-d5

Concen: 50.000 ug/l

RT: 11.41 min Scan# 2996

Delta R.T. 0.00 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

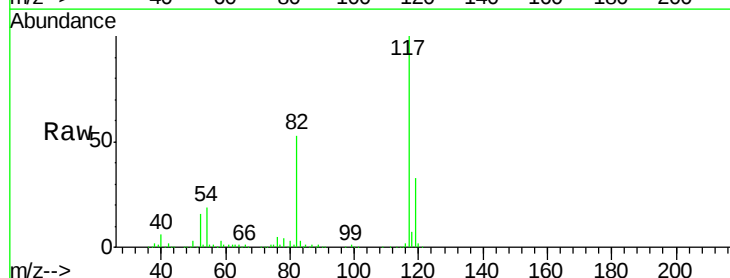
Tgt Ion: 117 Resp: 1182597

Ion Ratio Lower Upper

117 100

82 53.4 42.9 64.3

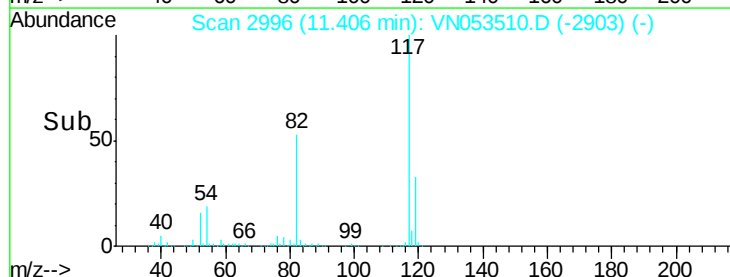
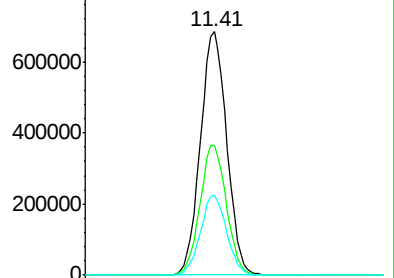
119 32.7 26.0 39.0

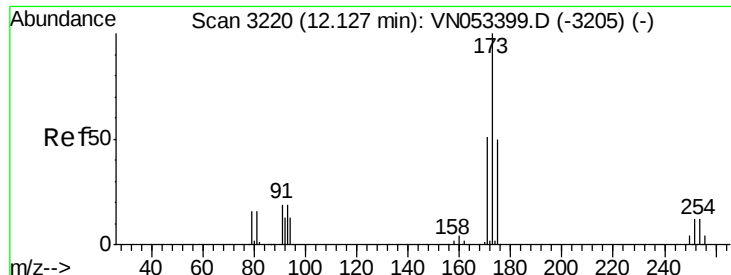


Abundance Ion 116.90 (116.60 to 117.60): VN053399.D (-2980) (-)

Ion 82.00 (81.70 to 82.70): VN053399.D (-2980) (-)

Ion 118.90 (118.60 to 119.60): VN053399.D (-2980) (-)

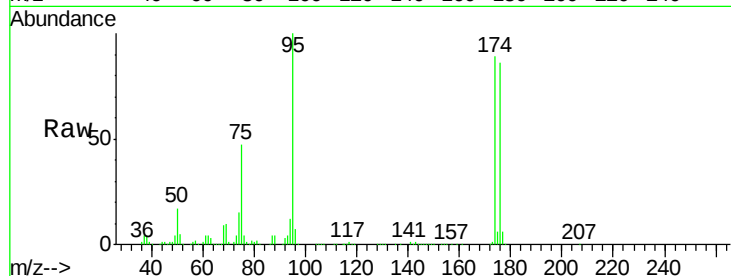




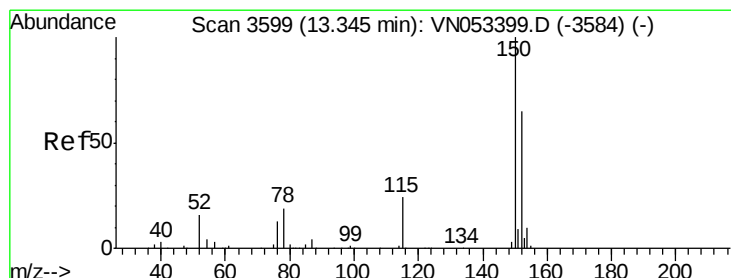
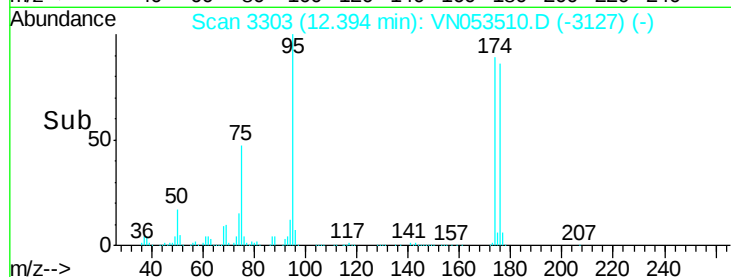
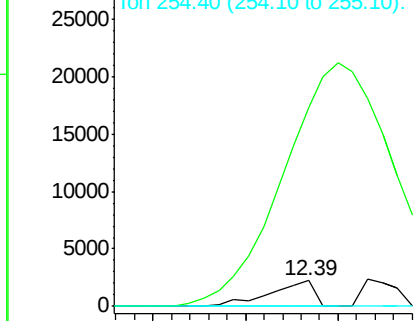
#71
Bromoform
Concen: 0.248 ug/l
RT: 12.39 min Scan# 3303
Delta R.T. 0.27 min
Lab File: VN053510.D
Acq: 22 Jan 2019 11:11

Instrument :
MSVOA_N
ClientSampled :
VN0122WBL01

Tot Ion:173 Resp: 1486
Ion Ratio Lower Upper
173 100
175 2130.3 24.6 74.0#
254 0.0 0.2 0.2#

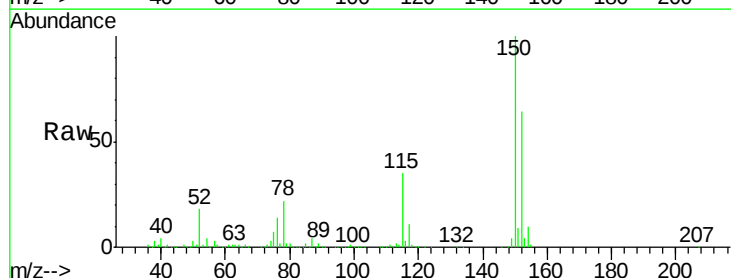


Abundance Ion 172.70 (172.40 to 173.40): V
Ion 174.70 (174.40 to 175.40): V
Ion 254.40 (254.10 to 255.10): V

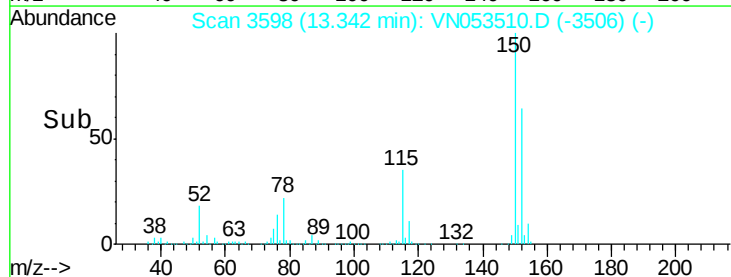
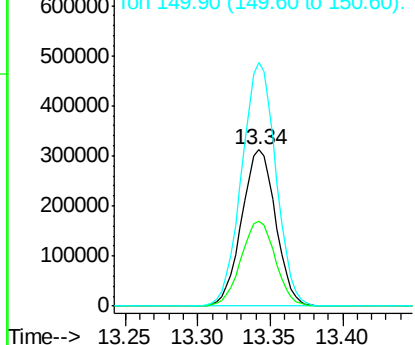


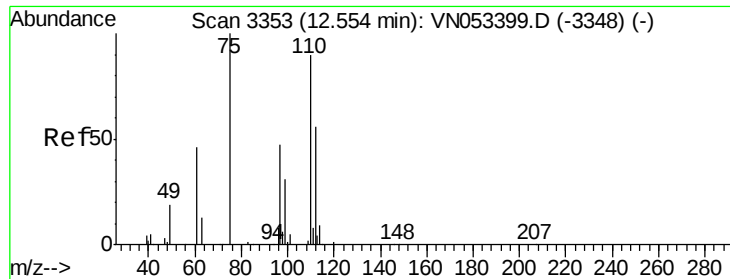
#72
1,4-Dichlorobenzene-d4
Concen: 50.000 ug/l
RT: 13.34 min Scan# 3598
Delta R.T. -0.00 min
Lab File: VN053510.D
Acq: 22 Jan 2019 11:11

Tgt Ion:152 Resp: 509333
Ion Ratio Lower Upper
152 100
115 54.9 27.8 83.4
150 157.2 0.0 349.0



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





#76

1,2,3-Trichloropropane

Concen: 36.351 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

Instrument :

MSVOA_N

ClientSampleId :

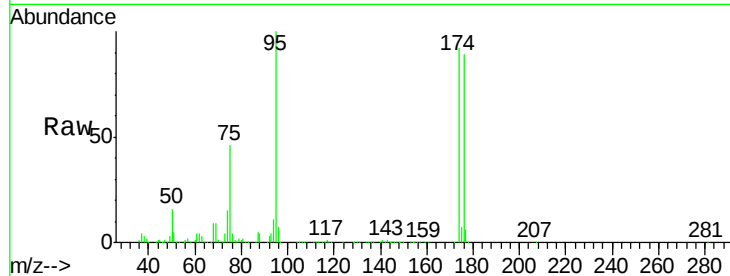
VN0122WBL01

Tot Ion: 75 Resp: 243986

Ion Ratio Lower Upper

75 100

77 1.2 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0

12.40

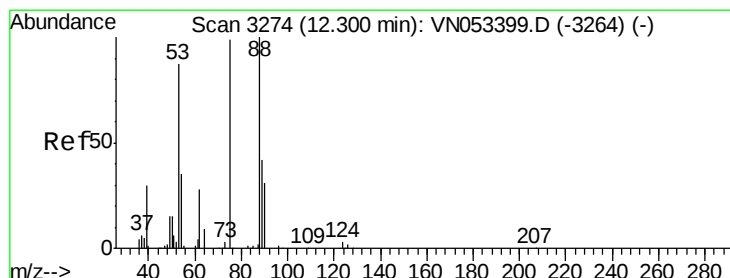
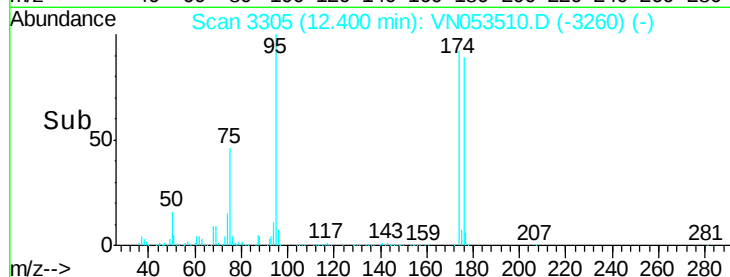
150000

100000

50000

0

Time--> 12.30 12.35 12.40 12.45



#81

trans-1,4-Dichloro-2-butene

Concen: 89.866 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053510.D

Acq: 22 Jan 2019 11:11

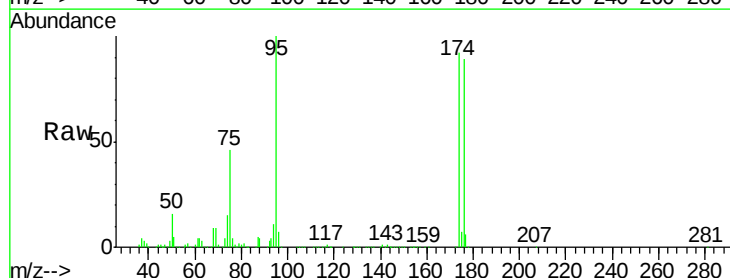
Tgt Ion: 75 Resp: 243986

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

12.40

200000

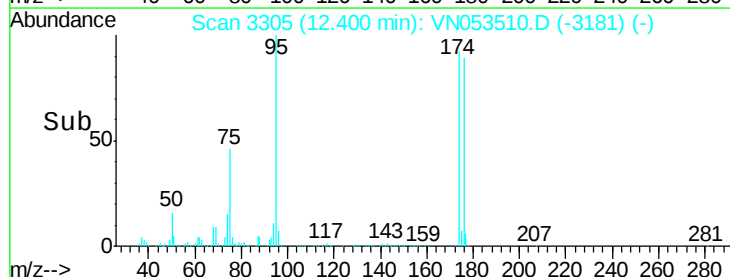
150000

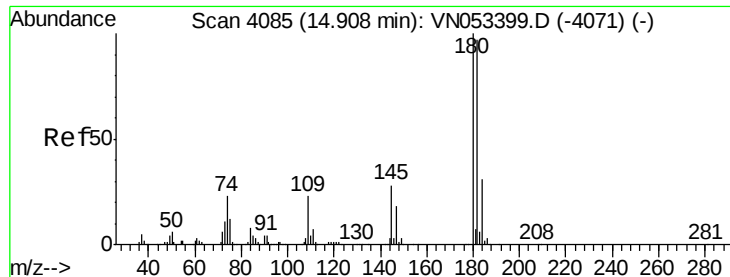
100000

50000

0

Time--> 12.30 12.35 12.40 12.45

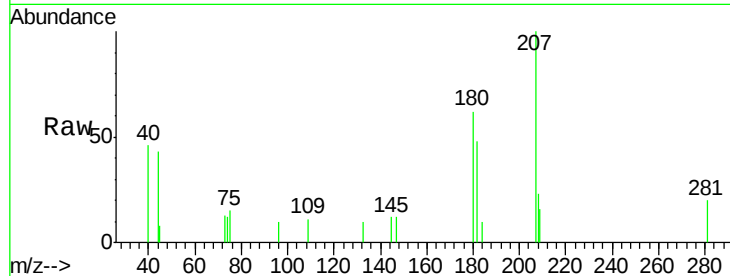




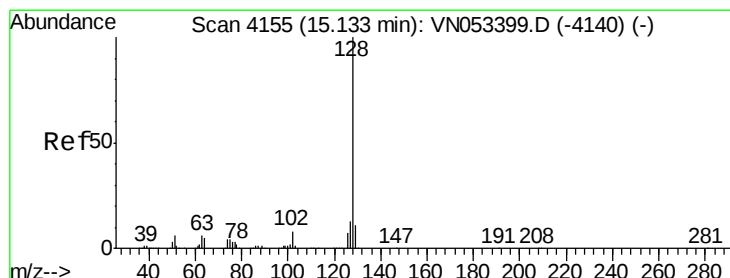
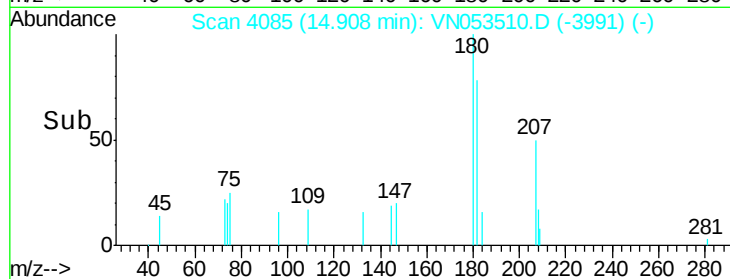
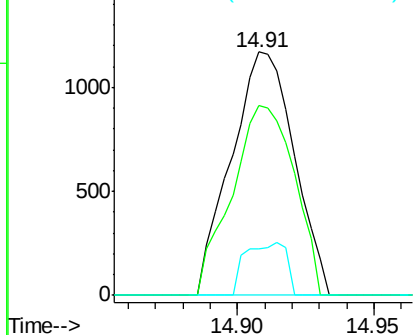
#93
 1,2,4-Trichlorobenzene
 Concen: 3.018 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. 0.00 min
 Lab File: VN053510.D
 Acq: 22 Jan 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

Tot Ion:180 Resp: 1872
 Ion Ratio Lower Upper
 180 100
 182 77.7 48.1 144.3
 145 13.9 13.9 41.6

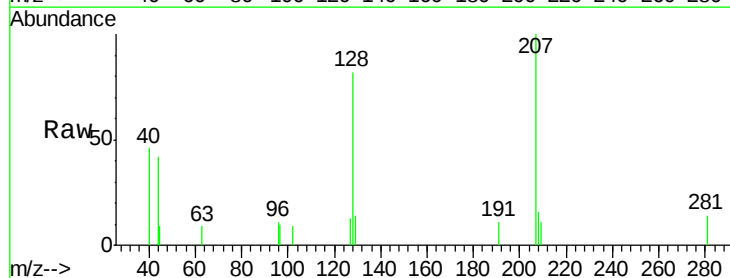


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

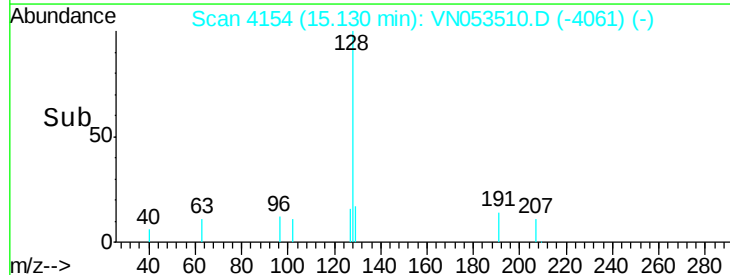
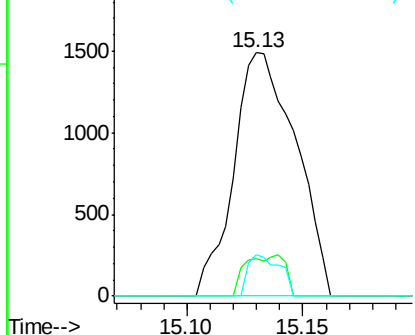


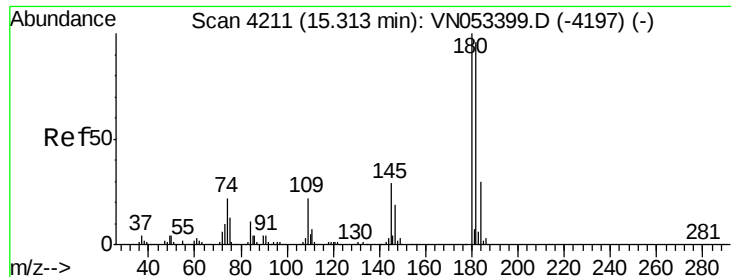
#95
 Naphthalene
 Concen: 4.146 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN053510.D
 Acq: 22 Jan 2019 11:11

Tgt Ion:128 Resp: 2768
 Ion Ratio Lower Upper
 128 100
 127 10.7 10.3 15.5
 129 8.7 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

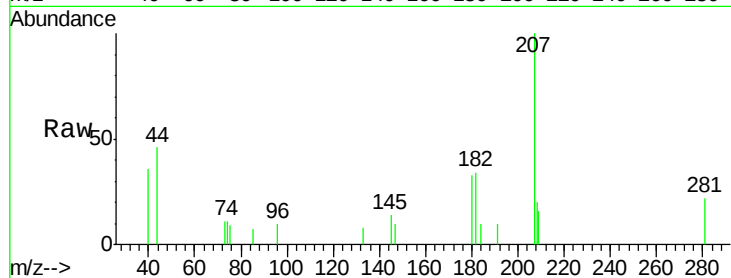




#96
 1,2,3-Trichlorobenzene
 Concen: 4.179 ug/l
 RT: 15.31 min Scan# 4211
 Delta R.T. 0.00 min
 Lab File: VN053510.D
 Acq: 22 Jan 2019 11:11

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0122WBL01

Tot Ion	Ratio	Lower	Upper
180	100		
182	96.9	47.9	143.8
145	25.4	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

