

Data Path : Z:\VOASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
 Data File : VN053250.D
 Acq On : 3 Jan 2019 9:42
 Operator : MD\SY
 Sample : VN0103WBL01
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 3 Sample Multiplier: 28

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBL01

Quant Time: Jan 04 00:51:37 2019
 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	7.66	168	1158100	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.58	114	1797692	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1658352	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.34	152	646659	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	567571	48.29	ug/l	0.00
Spiked Amount			Recovery	=	96.58%	
35) Dibromofluoromethane	7.59	113	509234	62.01	ug/l	0.00
Spiked Amount			Recovery	=	124.02%	
50) Toluene-d8	10.09	98	2202537	49.96	ug/l	0.00
Spiked Amount			Recovery	=	99.92%	
62) 4-Bromofluorobenzene	12.40	95	756189	48.86	ug/l	0.00
Spiked Amount			Recovery	=	97.72%	

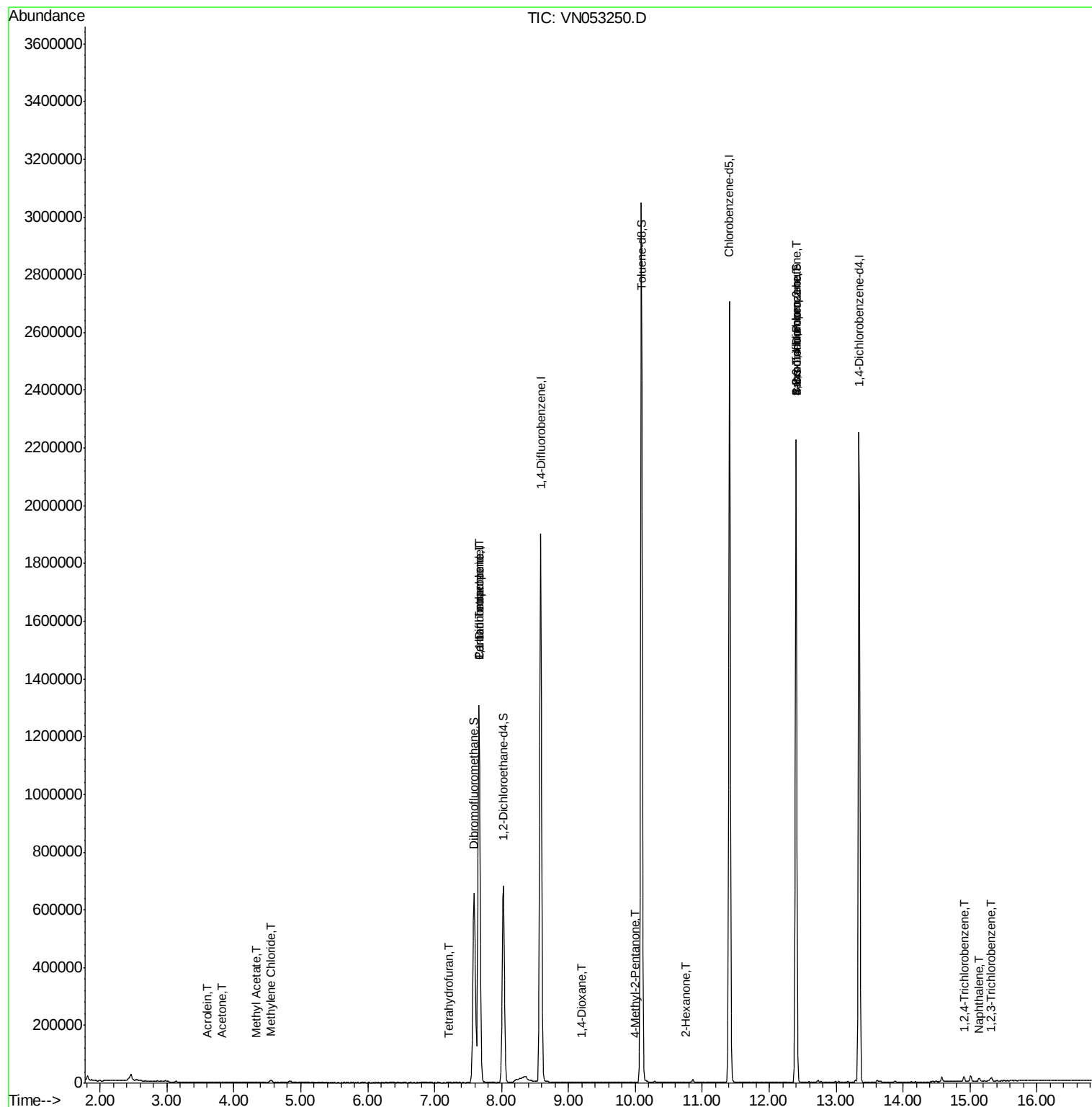
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
13) Acrolein	3.61	56	393	0.604	ug/l #	64
16) Acetone	3.82	43	1786	0.775	ug/l #	78
18) Methyl Acetate	4.33	43	3845	1.352	ug/l #	66
20) Methylene Chloride	4.55	84	5409	0.430	ug/l	94
29) Tetrahydrofuran	7.22	42	834	0.289	ug/l #	43
31) Cyclohexane	7.66	56	19175	Below Cal	#	1
36) 1,1-Dichloropropene	7.66	75	75969	4.403	ug/l #	49
38) Carbon Tetrachloride	7.66	117	99560	6.295	ug/l #	16
43) Isopropyl Acetate	8.23	43	10637	Below Cal	#	53
49) 1,4-Dioxane	9.19	88	31	0.262	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	1947	0.209	ug/l #	35
59) 2-Hexanone	10.75	43	2602	0.412	ug/l #	58
71) Bromoform	12.40	173	4885	0.529	ug/l #	1
76) 1,2,3-Trichloropropane	12.40	75	353787	32.500	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	353787	104.751	ug/l #	12
93) 1,2,4-Trichlorobenzene	14.91	180	5600	1.073	ug/l	97
94) Hexachlorobutadiene	15.01	225	4421	Below Cal		95
95) Naphthalene	15.13	128	8768	1.484	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	5310	1.011	ug/l	93

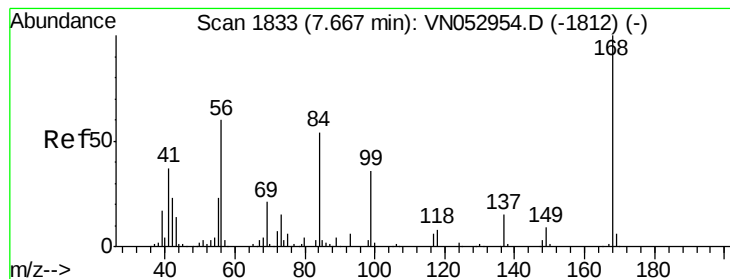
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN010319\
Data File : VN053250.D
Acq On : 3 Jan 2019 9:42
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Sample : VN0103WBL01
Misc : 5.00mL/MSVOA_N/WATER
ALS Vial : 3 Sample Multiplier: 28

Instrument :
MSVOA_N
ClientSampleId :
VN0103WBL01

Quant Time: Jan 04 00:51:37 2019
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N121818W.M
Quant Title : SW846 8260
QLast Update : Tue Dec 18 13:03:37 2018
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: VN053250.D

Acq: 3 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampled :

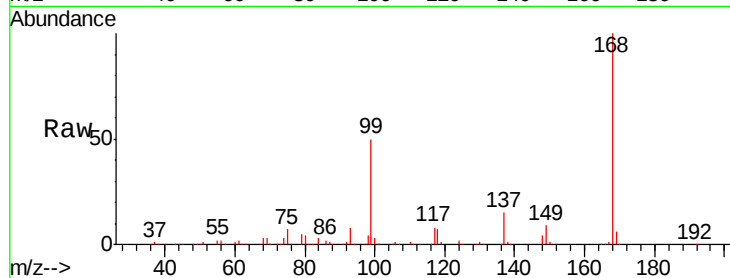
VN0103WBL01

Tgt Ion:168 Resp: 1158100

Ion Ratio Lower Upper

168 100

99 50.0 40.2 60.2



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

500000

400000

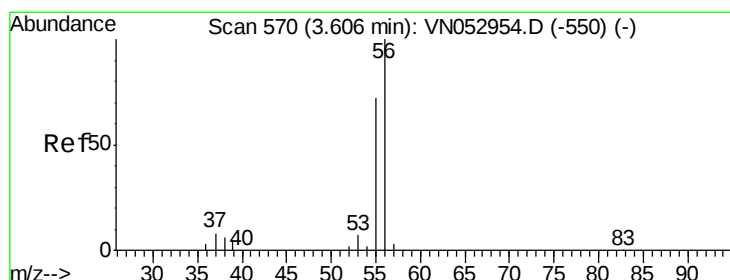
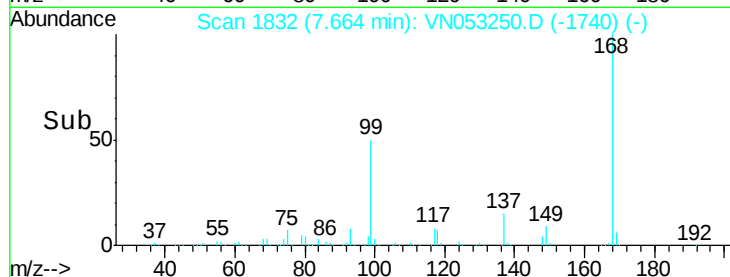
300000

200000

100000

0

Time-->



#13

Acrolein

Concen: 0.604 ug/l

RT: 3.61 min Scan# 571

Delta R.T. 0.00 min

Lab File: VN053250.D

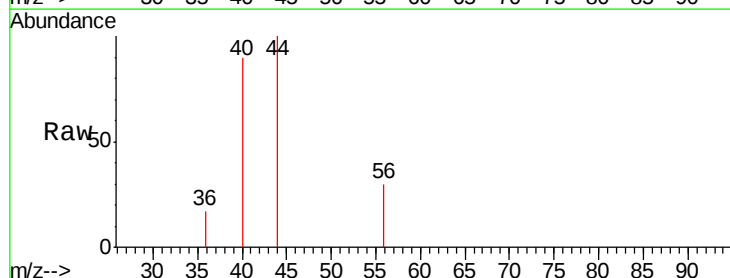
Acq: 3 Jan 2019 9:42

Tgt Ion: 56 Resp: 393

Ion Ratio Lower Upper

56 100

55 41.0 56.6 85.0#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

3.61

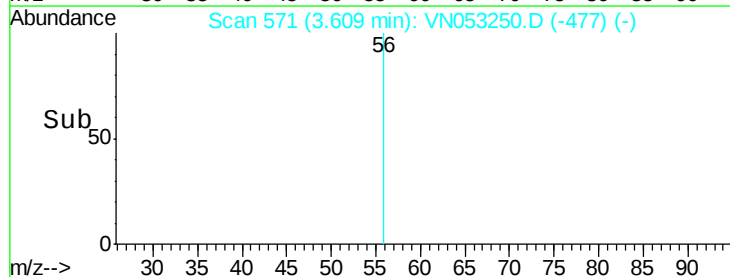
300

200

100

0

Time-->





#16

Acetone

Concen: 0.775 ug/l

RT: 3.82 min Scan# 638

Delta R.T. 0.01 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampled :

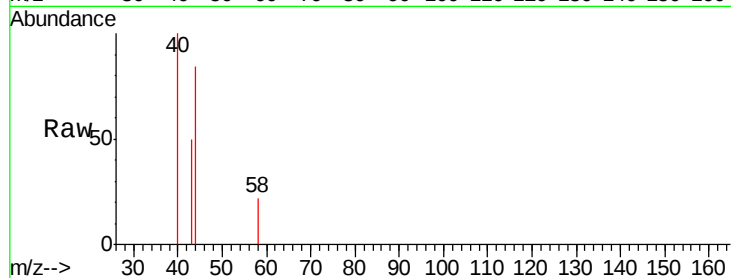
VN0103WBL01

Tgt Ion: 43 Resp: 1786

Ion Ratio Lower Upper

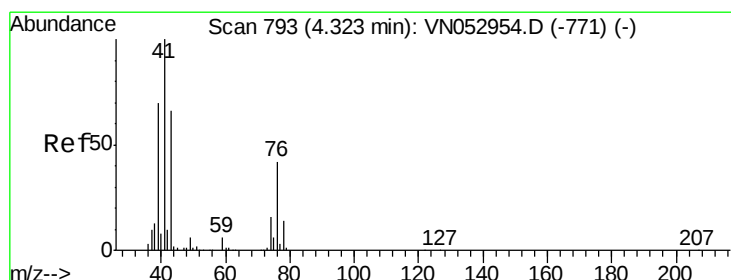
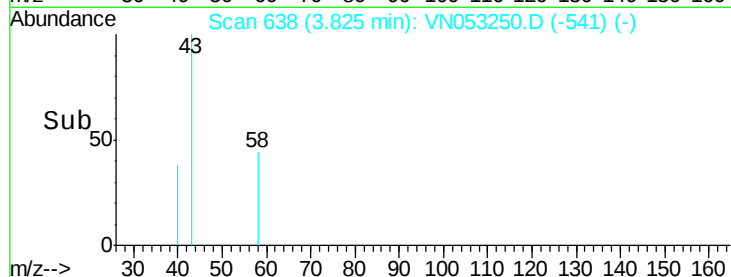
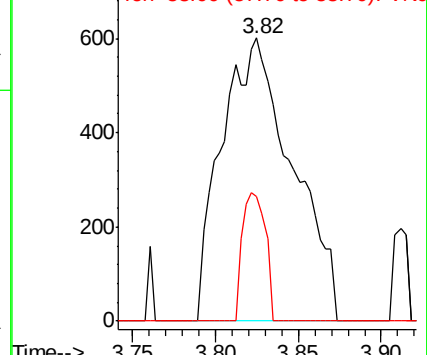
43 100

58 44.1 25.4 38.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#18

Methyl Acetate

Concen: 1.352 ug/l

RT: 4.33 min Scan# 795

Delta R.T. 0.01 min

Lab File: VN053250.D

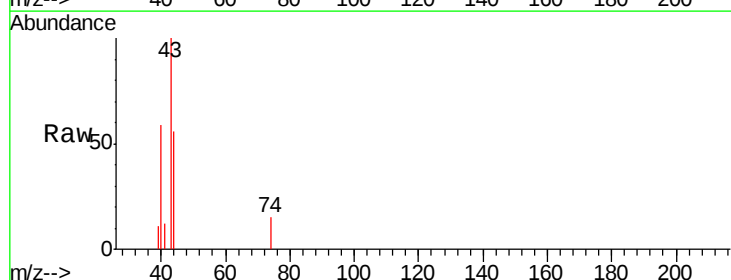
Acq: 3 Jan 2019 9:42

Tgt Ion: 43 Resp: 3845

Ion Ratio Lower Upper

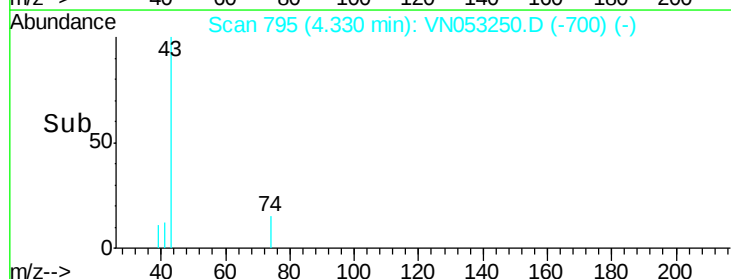
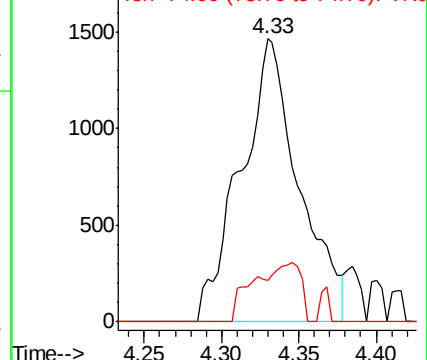
43 100

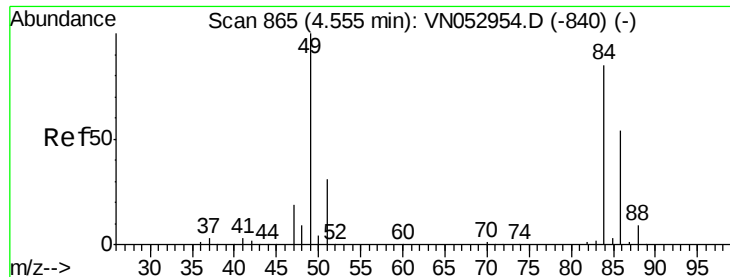
74 7.1 19.2 28.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 74.00 (73.70 to 74.70): VN0

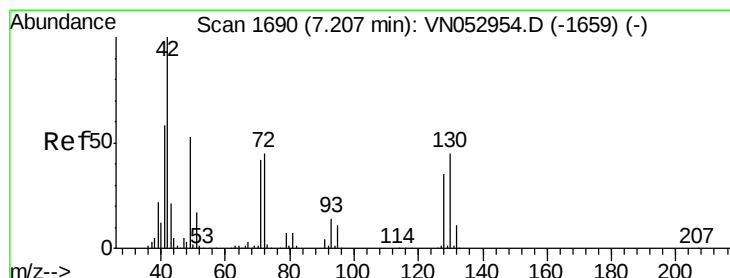
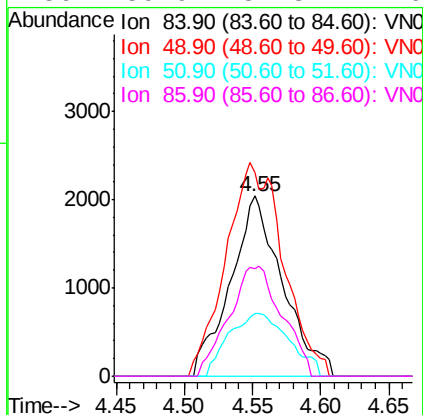
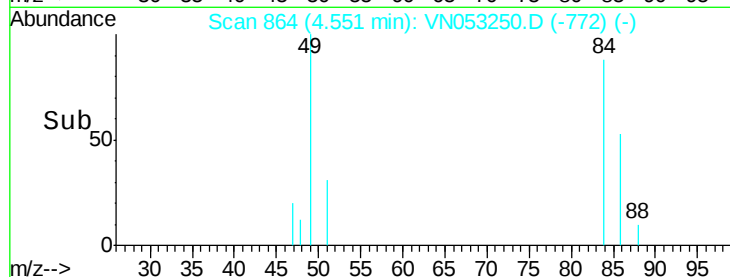
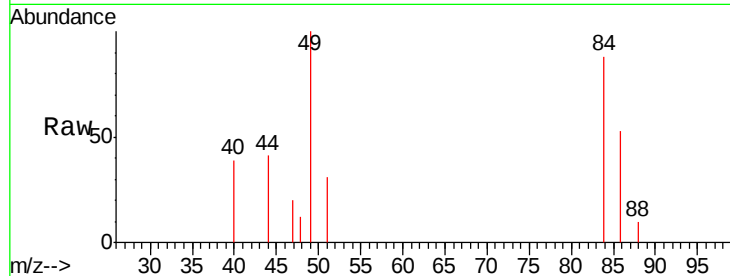




#20
Methylene Chloride
Concen: 0.430 ug/l
RT: 4.55 min Scan# 864
Delta R.T. -0.00 min
Lab File: VN053250.D
Acq: 3 Jan 2019 9:42

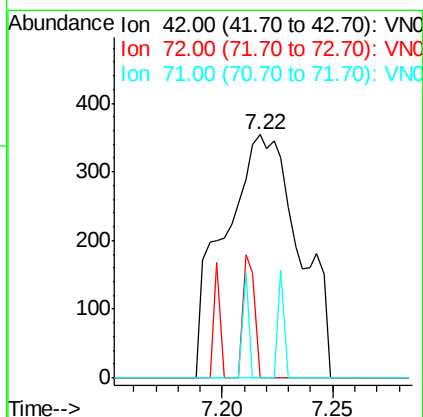
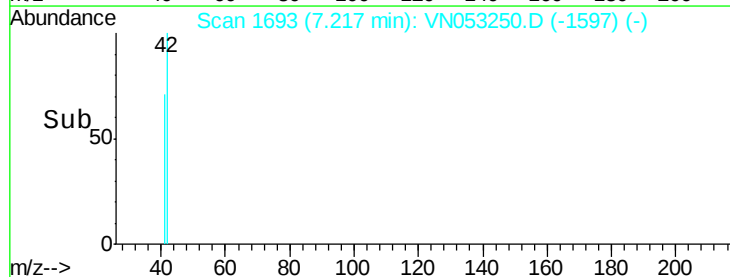
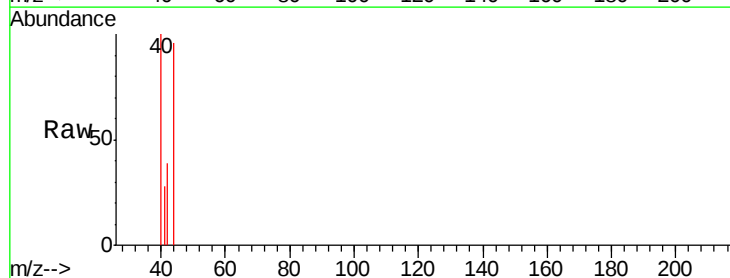
Instrument :
MSVOA_N
ClientSampleId :
VN0103WBL01

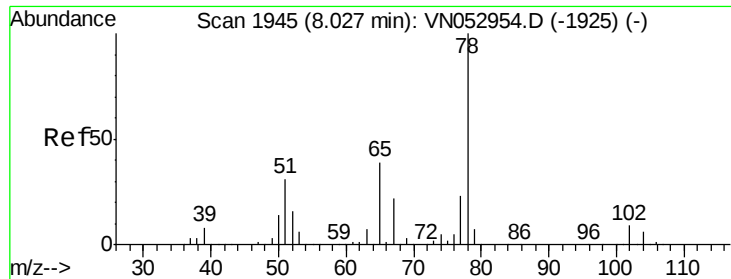
Tgt Ion:	84	Resp:	5409
Ion	Ratio	Lower	Upper
84	100		
49	113.5	96.8	145.2
51	34.7	29.9	44.9
86	59.9	51.8	77.6



#29
Tetrahydrofuran
Concen: 0.289 ug/l
RT: 7.22 min Scan# 1693
Delta R.T. 0.01 min
Lab File: VN053250.D
Acq: 3 Jan 2019 9:42

Tgt Ion:	42	Resp:	834
Ion	Ratio	Lower	Upper
42	100		
72	7.7	34.7	52.1#
71	3.5	32.3	48.5#

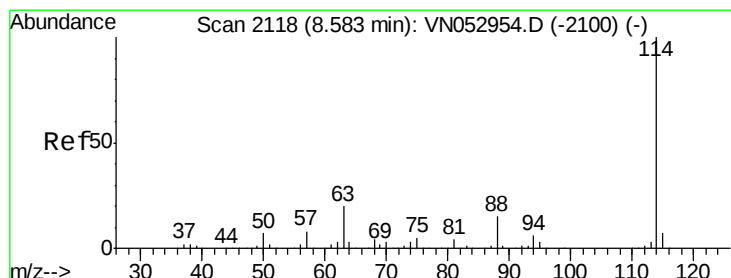
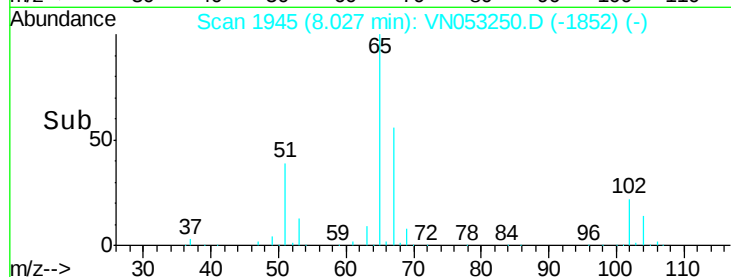
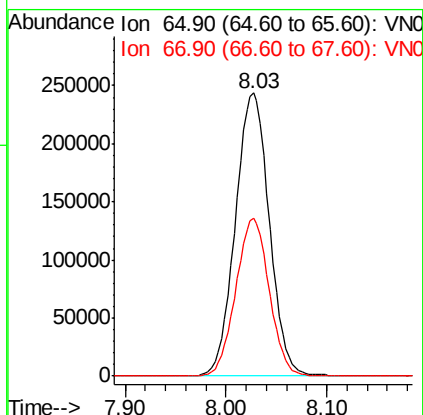
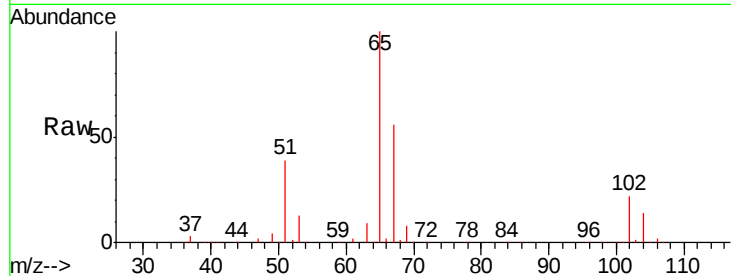




#33
 1,2-Dichloroethane-d4
 Concen: Below ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. 0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

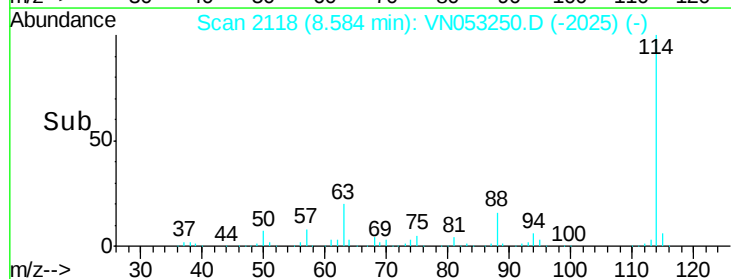
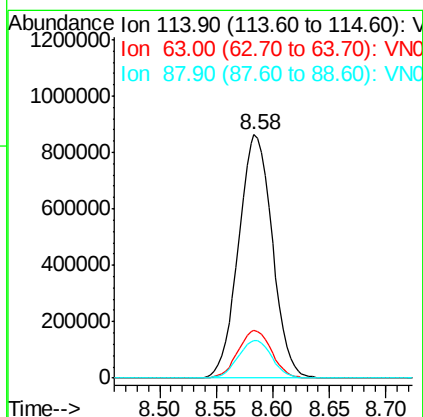
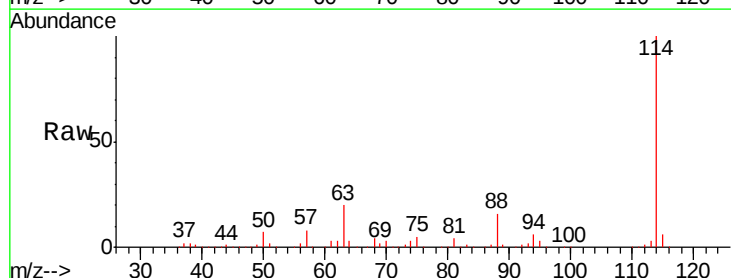
Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBL01

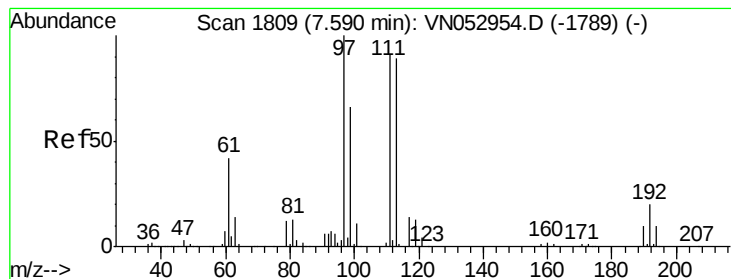
Tgt Ion: 65 Resp: 567571
 Ion Ratio Lower Upper
 65 100
 67 55.0 0.0 110.4



#34
 1,4-Difluorobenzene
 Concen: 50.000 ug/l
 RT: 8.58 min Scan# 2118
 Delta R.T. 0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

Tgt Ion: 114 Resp: 1797692
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 39.8
 88 15.6 0.0 31.0





#35

Dibromofluoromethane

Concen: 50.000 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. 0.00 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampled :

VN0103WBL01

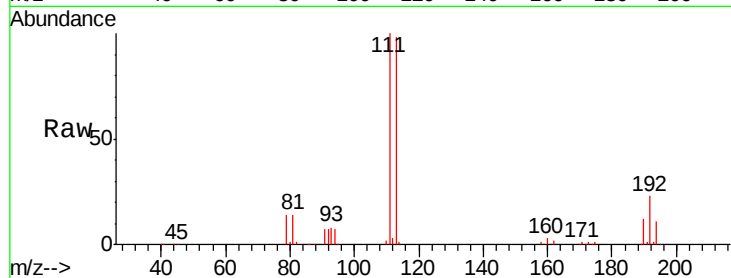
Tgt Ion:113 Resp: 509234

Ion Ratio Lower Upper

113 100

111 102.8 83.0 124.4

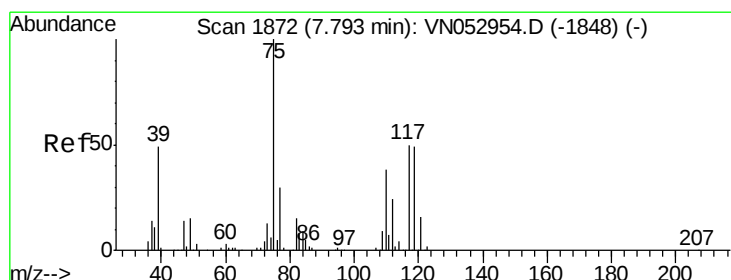
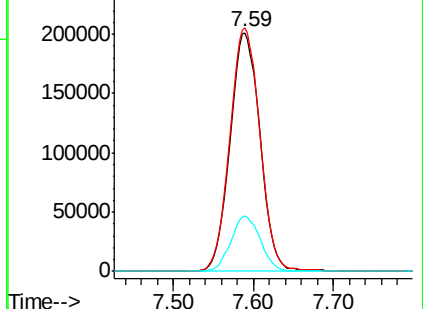
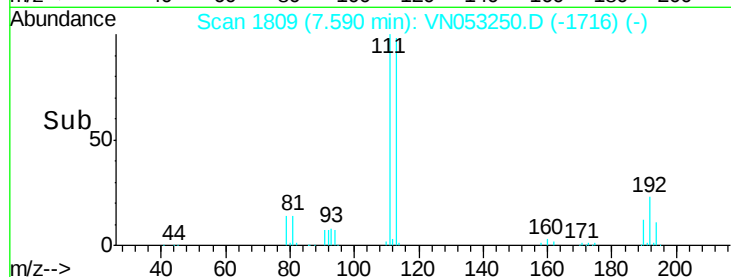
192 22.9 17.5 26.3



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: 4.403 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. -0.13 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

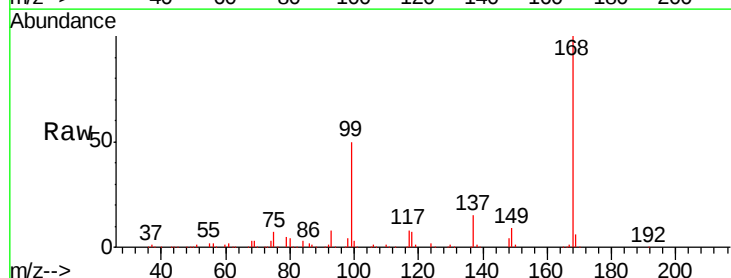
Tgt Ion: 75 Resp: 75969

Ion Ratio Lower Upper

75 100

110 8.8 18.2 54.6#

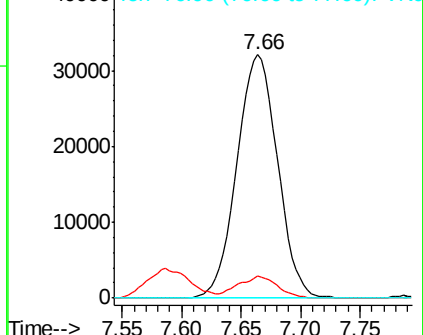
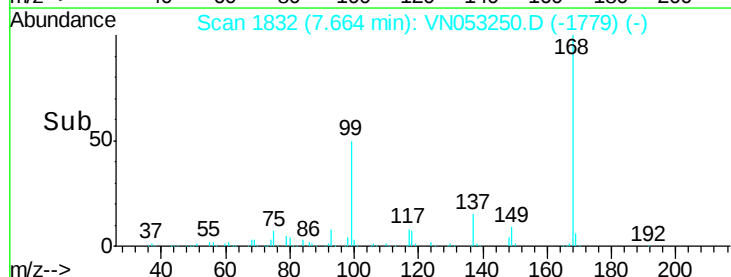
77 0.0 24.9 37.3#

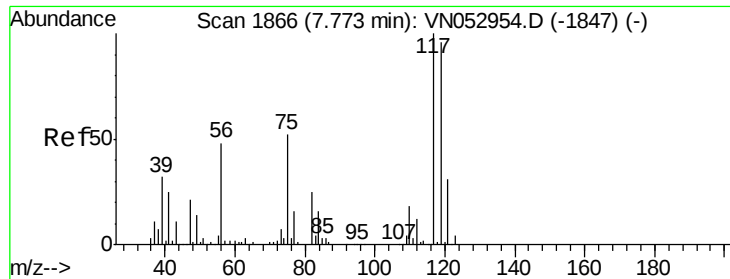


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V

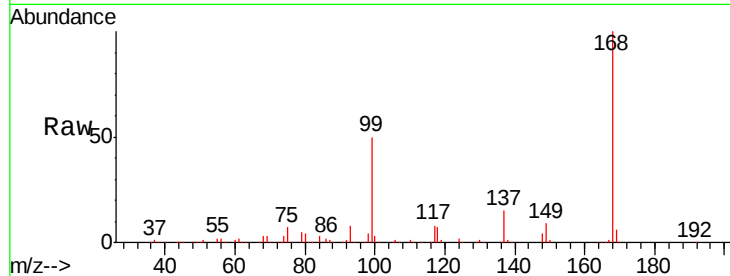




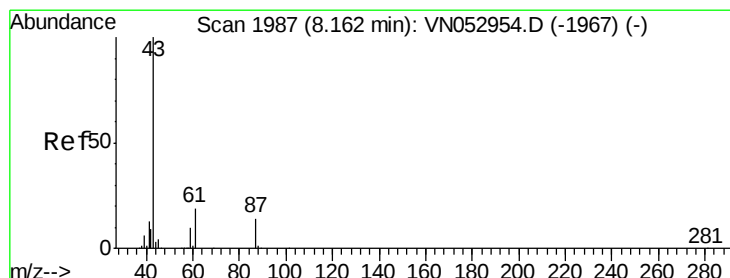
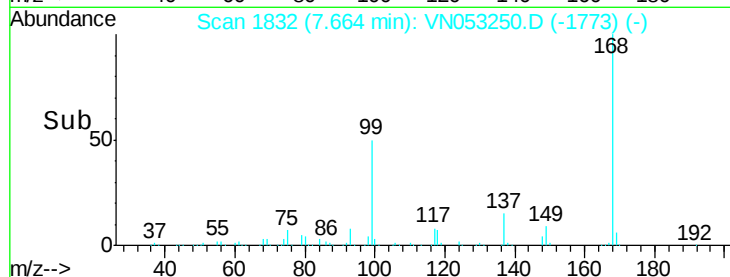
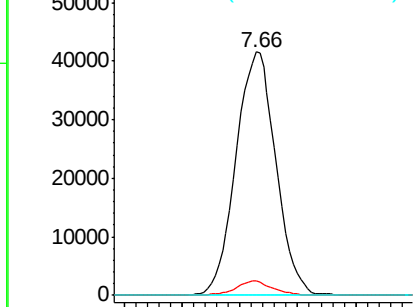
#38
Carbon Tetrachloride
Concen: 6.295 ug/l
RT: 7.66 min Scan# 1832
Delta R.T. -0.11 min
Lab File: VN053250.D
Acq: 3 Jan 2019 9:42

Instrument :
MSVOA_N
ClientSampled :
VN0103WBL01

Tgt Ion:117 Resp: 99560
Ion Ratio Lower Upper
117 100
119 5.9 77.1 115.7#
121 0.0 24.9 37.3#

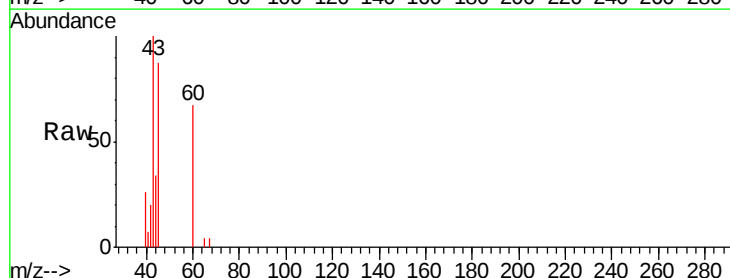


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

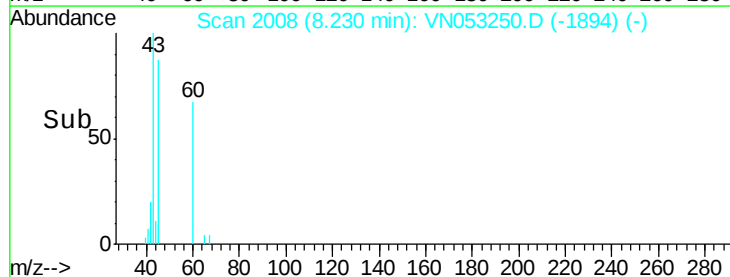
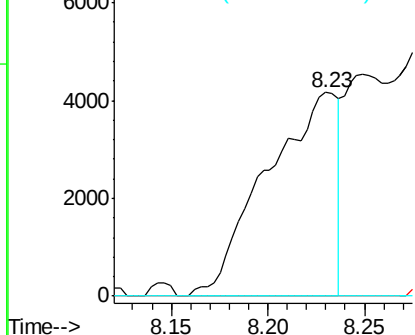


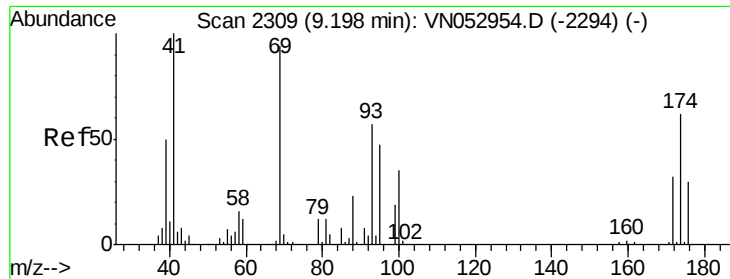
#43
Isopropyl Acetate
Concen: Below Cal
RT: 8.23 min Scan# 2008
Delta R.T. 0.07 min
Lab File: VN053250.D
Acq: 3 Jan 2019 9:42

Tgt Ion: 43 Resp: 10637
Ion Ratio Lower Upper
43 100
61 0.0 22.9 34.3#
87 0.0 10.6 15.8#



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

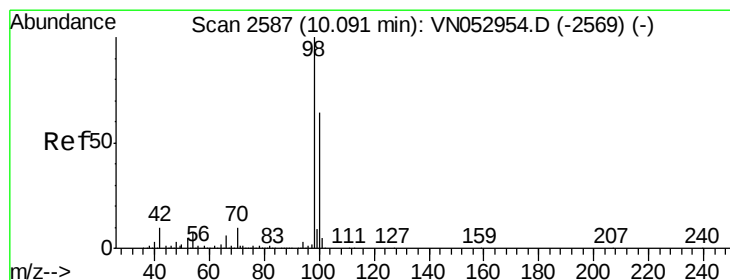
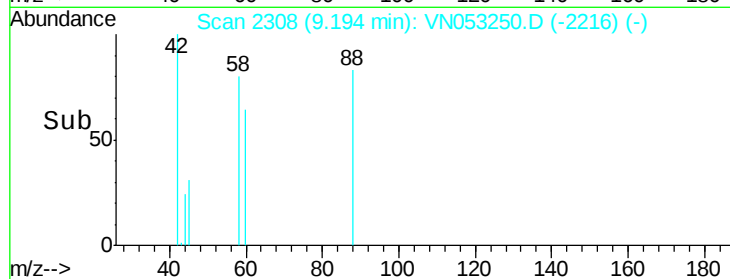
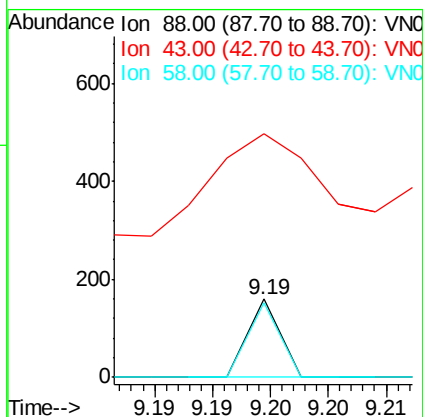
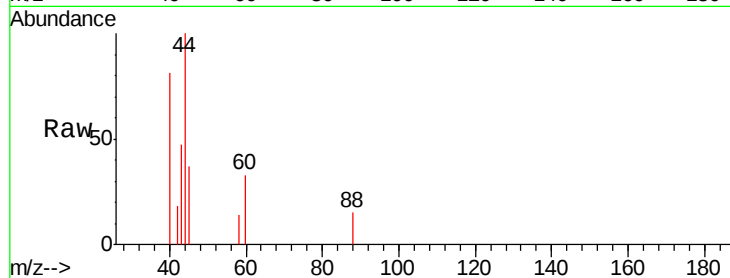




#49
 1,4-Dioxane
 Concen: 0.262 ug/l
 RT: 9.19 min Scan# 2308
 Delta R.T. -0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

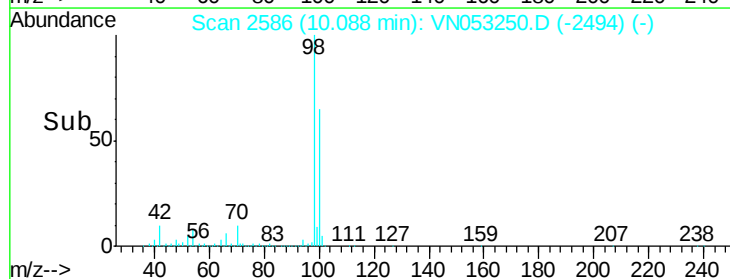
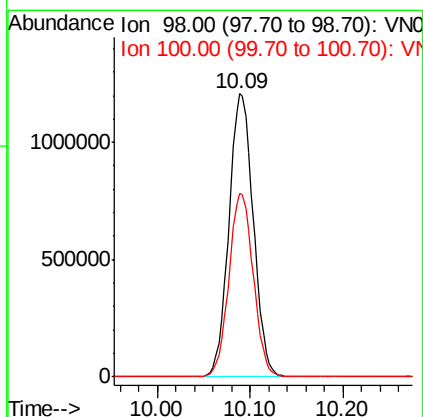
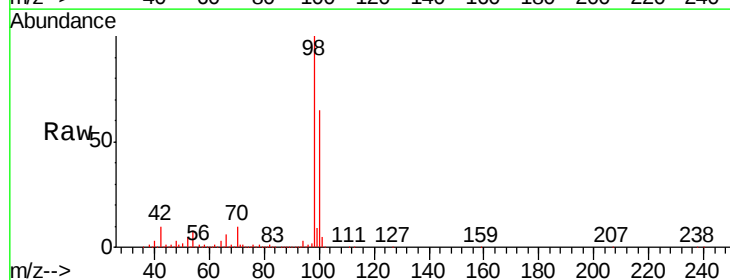
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBL01

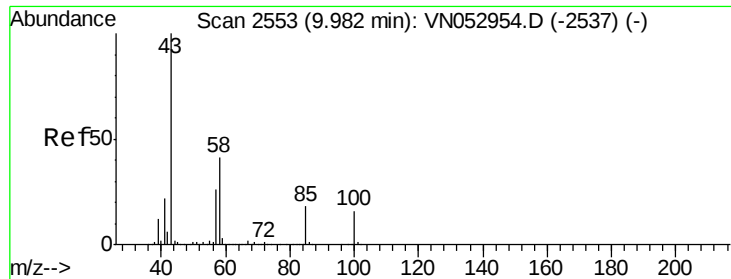
Tgt Ion: 88 Resp: 31
 Ion Ratio Lower Upper
 88 100
 43 435.5 26.6 40.0#
 58 96.8 58.4 87.6#



#50
 Toluene-d8
 Concen: 0.262 ug/l
 RT: 10.09 min Scan# 2586
 Delta R.T. -0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

Tgt Ion: 98 Resp: 2202537
 Ion Ratio Lower Upper
 98 100
 100 64.6 51.6 77.4

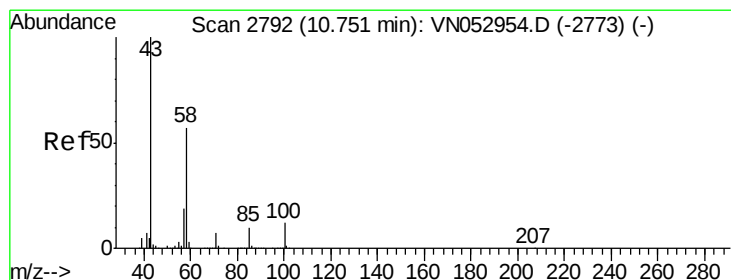
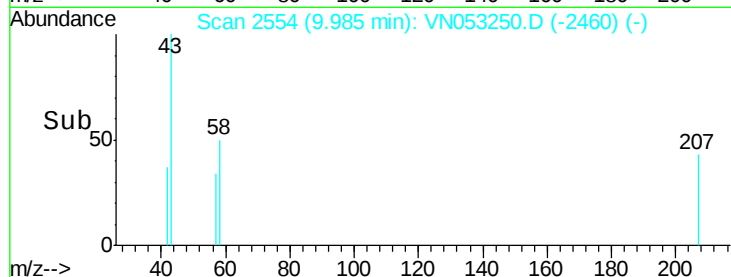
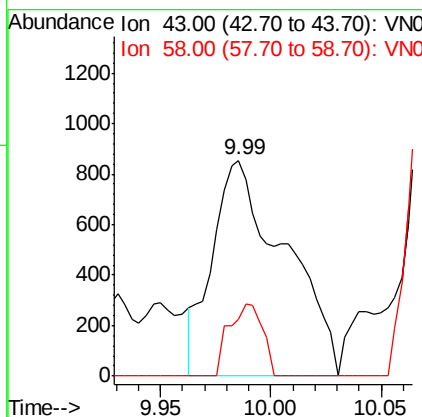
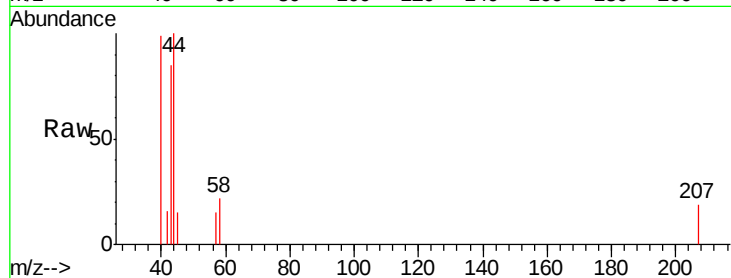




#51
 4-Methyl-2-Pentanone
 Concen: 0.209 ug/l
 RT: 9.99 min Scan# 2554
 Delta R.T. 0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

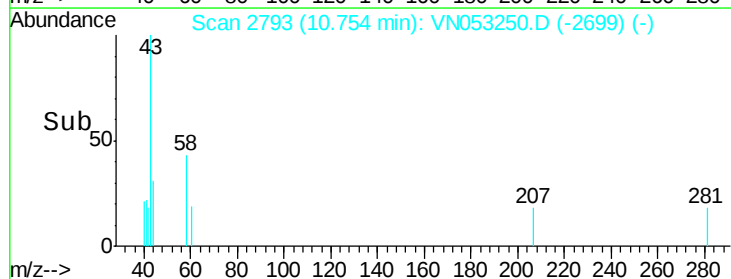
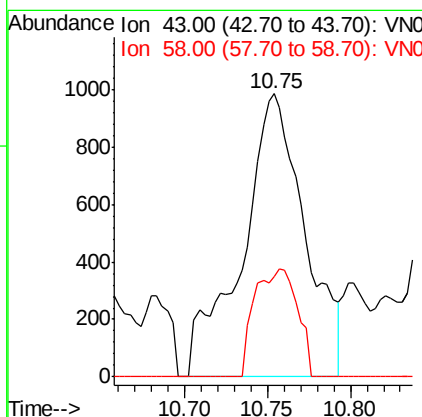
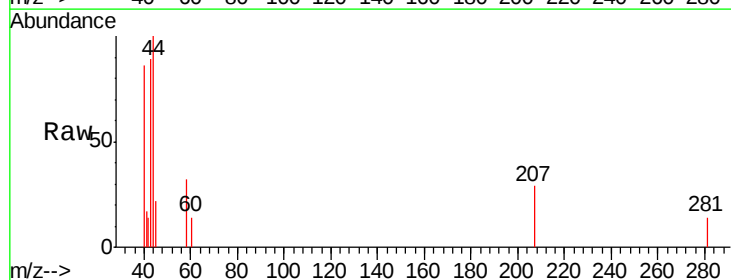
Instrument :
 MSVOA_N
 ClientSampled :
 VN0103WBL01

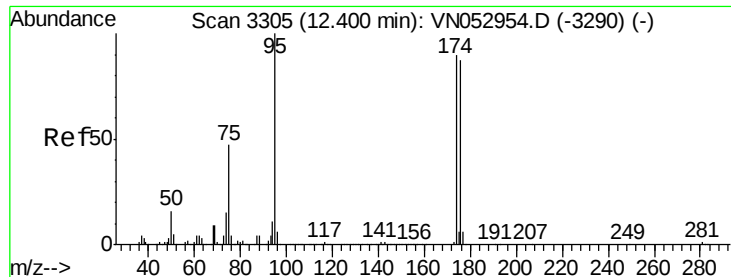
Tgt Ion: 43 Resp: 1947
 Ion Ratio Lower Upper
 43 100
 58 0.0 32.2 48.4#



#59
 2-Hexanone
 Concen: 0.412 ug/l
 RT: 10.75 min Scan# 2793
 Delta R.T. 0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

Tgt Ion: 43 Resp: 2602
 Ion Ratio Lower Upper
 43 100
 58 25.8 28.1 84.3#

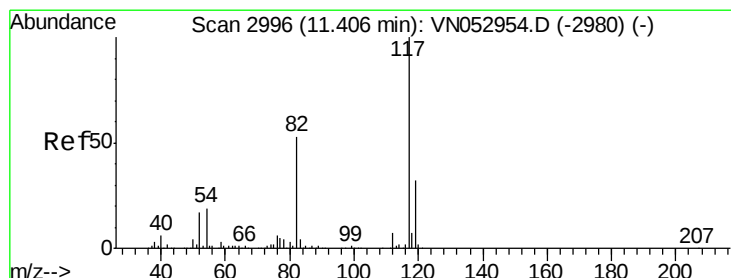
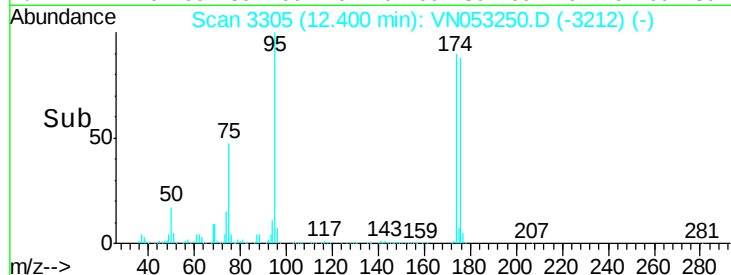
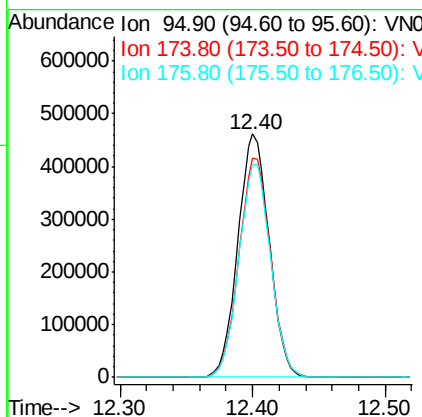
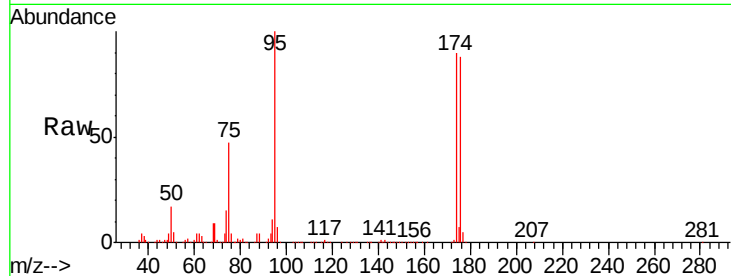




#62
4-Bromofluorobenzene
Concen: N.D. ug/l
RT: 12.40 min Scan# 3305
Delta R.T. 0.00 min
Lab File: VN053250.D
Acq: 3 Jan 2019 9:42

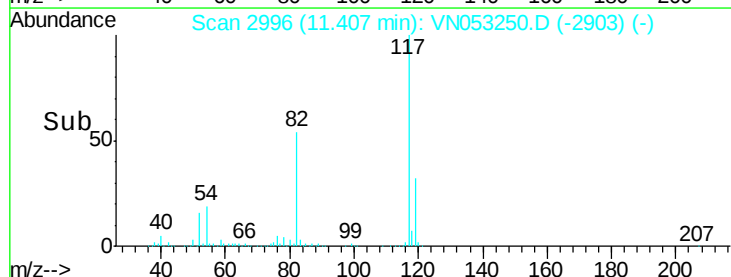
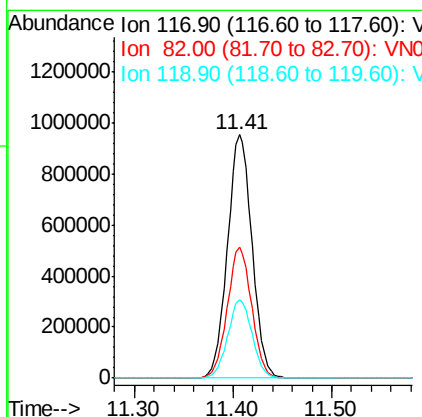
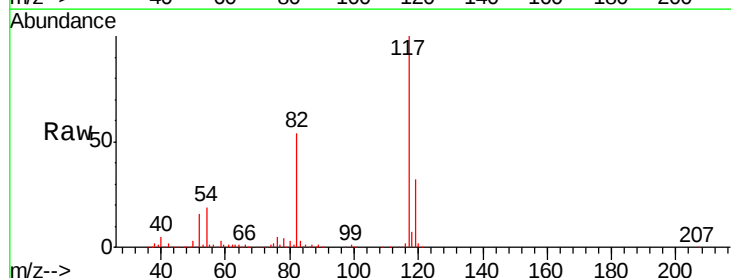
Instrument :
MSVOA_N
ClientSampleId :
VN0103WBL01

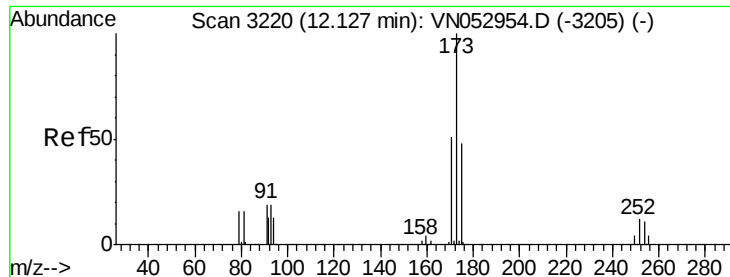
Tgt Ion: 95 Resp: 756189
Ion Ratio Lower Upper
95 100
174 90.9 0.0 178.8
176 88.7 0.0 173.8



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. 0.00 min
Lab File: VN053250.D
Acq: 3 Jan 2019 9:42

Tgt Ion: 117 Resp: 1658352
Ion Ratio Lower Upper
117 100
82 53.6 42.8 64.2
119 32.3 25.5 38.3





#71

Bromoform

Concen: 0.529 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.28 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBL01

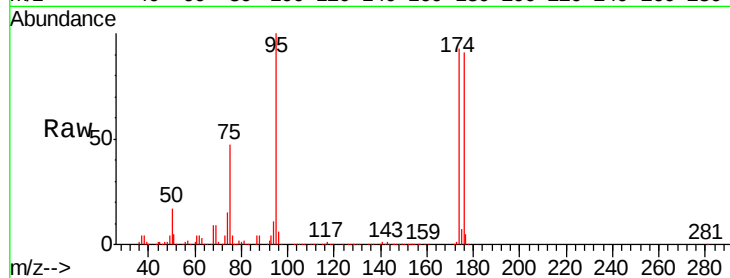
Tgt Ion:173 Resp: 4885

Ion Ratio Lower Upper

173 100

175 912.5 24.3 72.9#

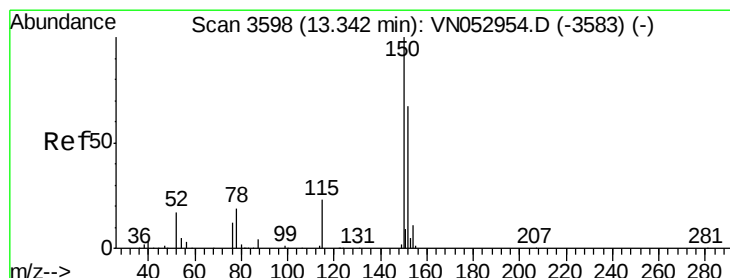
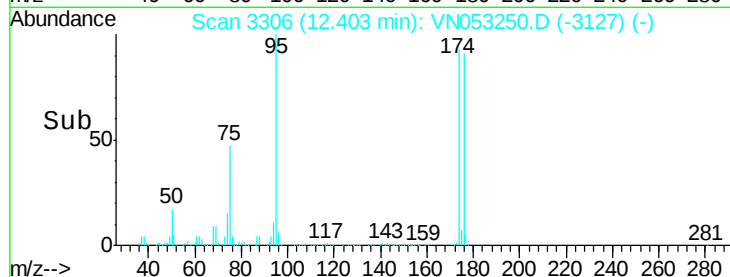
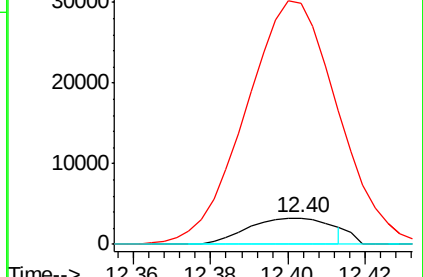
254 0.0 0.1 0.1#



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: 13.34 min Scan# 3598

Delta R.T. 0.00 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

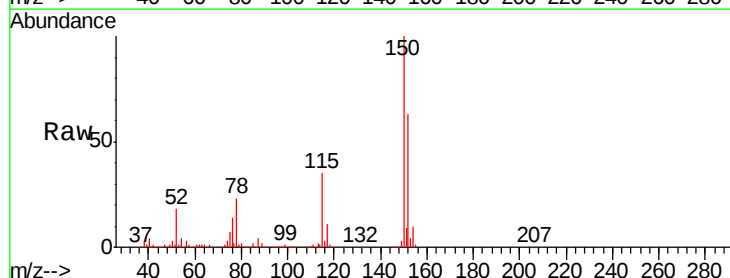
Tgt Ion:152 Resp: 646659

Ion Ratio Lower Upper

152 100

115 55.3 28.3 85.0

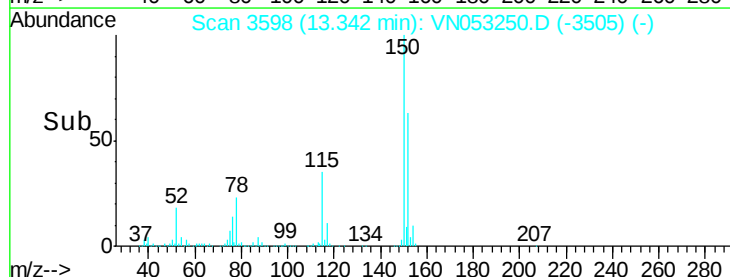
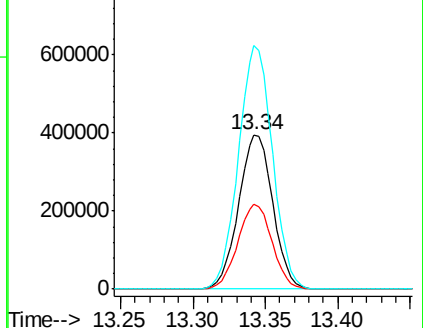
150 157.4 0.0 347.8

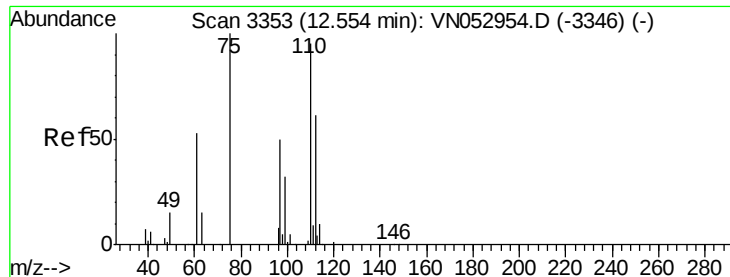


Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V





#76

1,2,3-Trichloropropane

Concen: 32.500 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

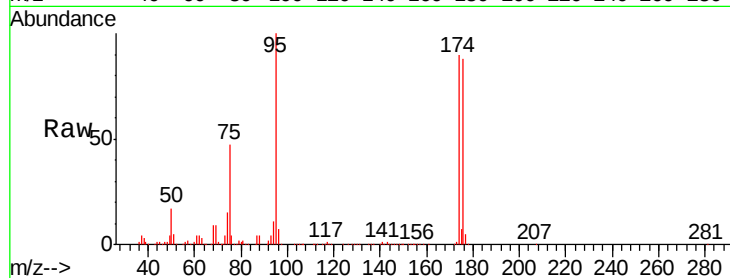
VN0103WBL01

Tgt Ion: 75 Resp: 353787

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

250000

200000

150000

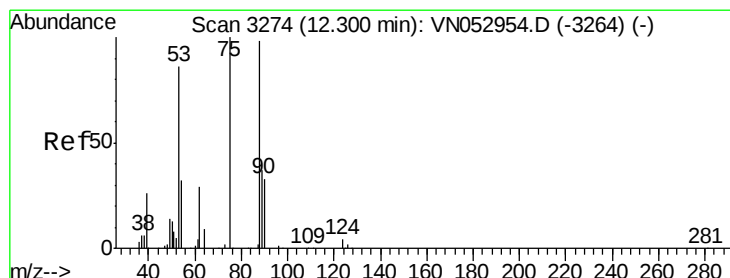
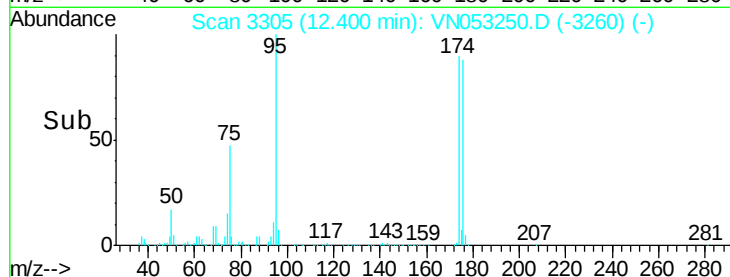
100000

50000

0

12.35 12.40 12.45

Time-->



#81

trans-1,4-Dichloro-2-butene

Concen: 104.751 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

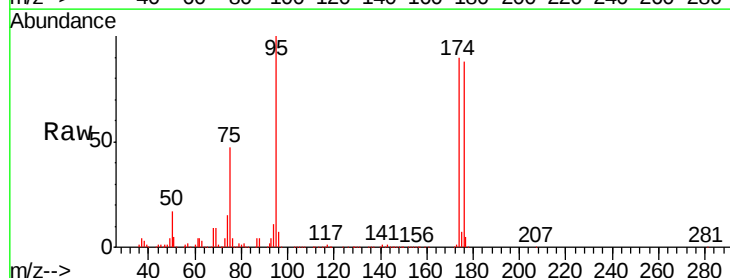
Tgt Ion: 75 Resp: 353787

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): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

300000

250000

200000

150000

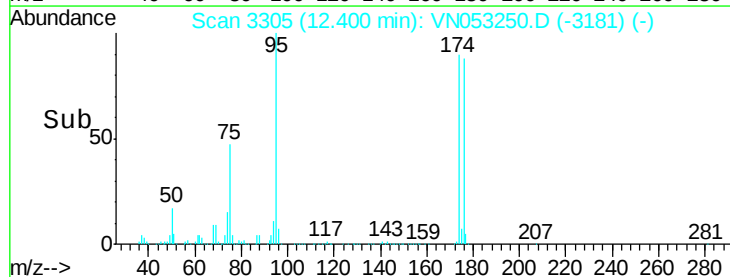
100000

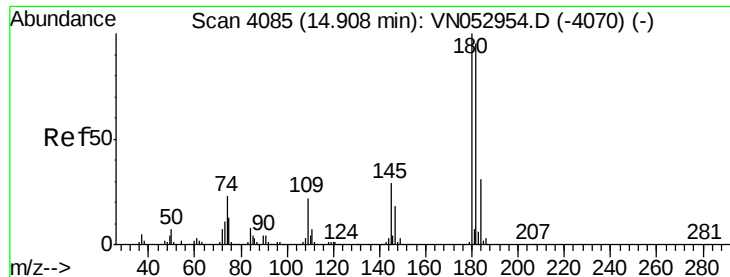
50000

0

12.35 12.40 12.45

Time-->

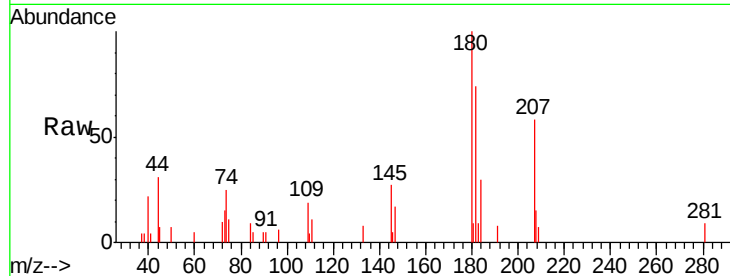




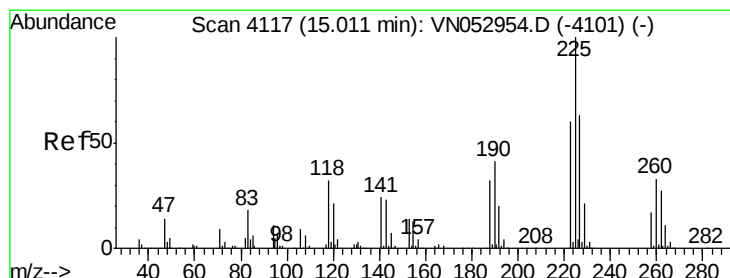
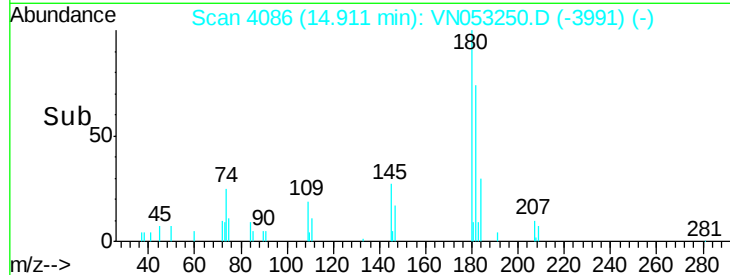
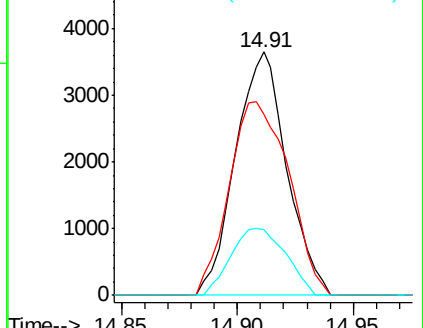
#93
 1,2,4-Trichlorobenzene
 Concen: 1.073 ug/l
 RT: 14.91 min Scan# 4086
 Delta R.T. 0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0103WBL01

Tgt Ion:180 Resp: 5600
 Ion Ratio Lower Upper
 180 100
 182 92.3 47.8 143.3
 145 29.2 14.2 42.6

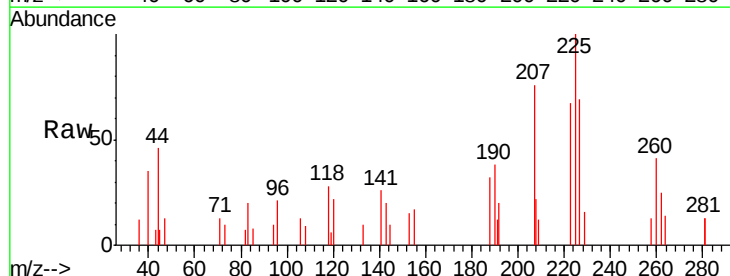


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

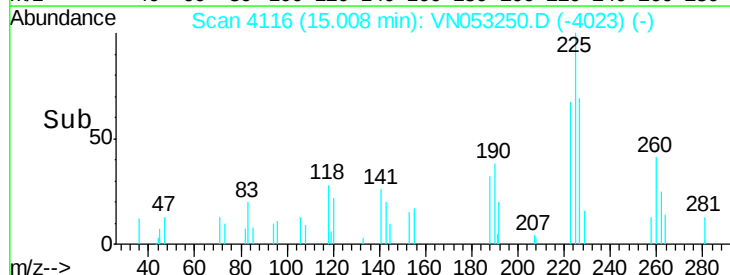
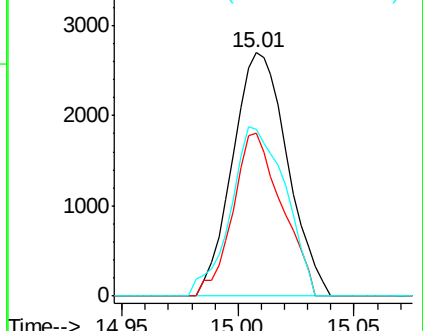


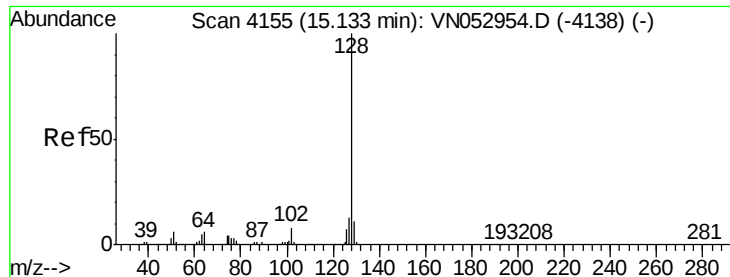
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4116
 Delta R.T. -0.00 min
 Lab File: VN053250.D
 Acq: 3 Jan 2019 9:42

Tgt Ion:225 Resp: 4421
 Ion Ratio Lower Upper
 225 100
 223 59.9 31.5 94.5
 227 69.1 31.9 95.7



Abundance Ion 224.70 (224.40 to 225.40): V
 Ion 222.70 (222.40 to 223.40): V
 Ion 226.70 (226.40 to 227.40): V





#95

Naphthalene

Concen: 1.484 ug/l

RT: 15.13 min Scan# 4155

Delta R.T. 0.00 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

Instrument :

MSVOA_N

ClientSampleId :

VN0103WBL01

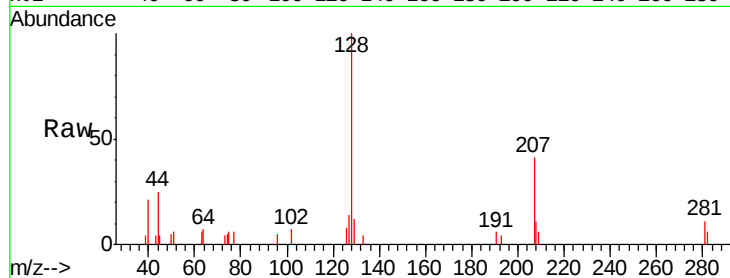
Tgt Ion:128 Resp: 8768

Ion Ratio Lower Upper

128 100

127 13.7 10.2 15.4

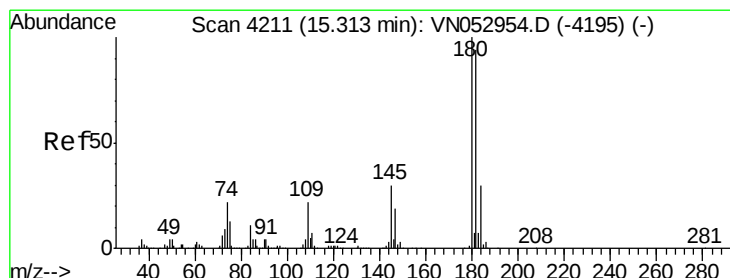
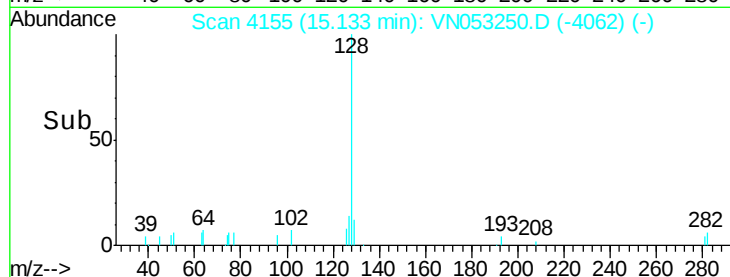
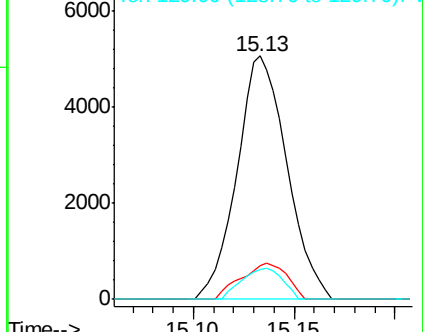
129 10.4 8.6 13.0



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: 1.011 ug/l

RT: 15.32 min Scan# 4213

Delta R.T. 0.01 min

Lab File: VN053250.D

Acq: 3 Jan 2019 9:42

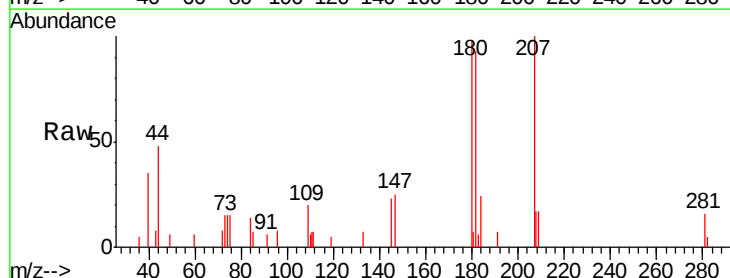
Tgt Ion:180 Resp: 5310

Ion Ratio Lower Upper

180 100

182 101.2 47.9 143.7

145 23.5 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

