

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051091.D
 Acq On : 10 Sep 2018 21:30
 Operator : MD\SY
 Sample : VN0910MBL02
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL02

Quant Time: Sep 11 04:33:37 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
 Quant Title : SW846 8260
 QLast Update : Tue Sep 11 02:27:09 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	642820	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	970924	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	845519	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	273775	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	380386	53.17	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	106.34%	
35) Dibromofluoromethane	7.59	113	379219	51.98	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	103.96%	
50) Toluene-d8	10.09	98	1356256	48.99	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	97.98%	
62) 4-Bromofluorobenzene	12.40	95	365159	39.87	ug/l	0.00
Spiked Amount				50.000		
			Recovery	=	79.74%	

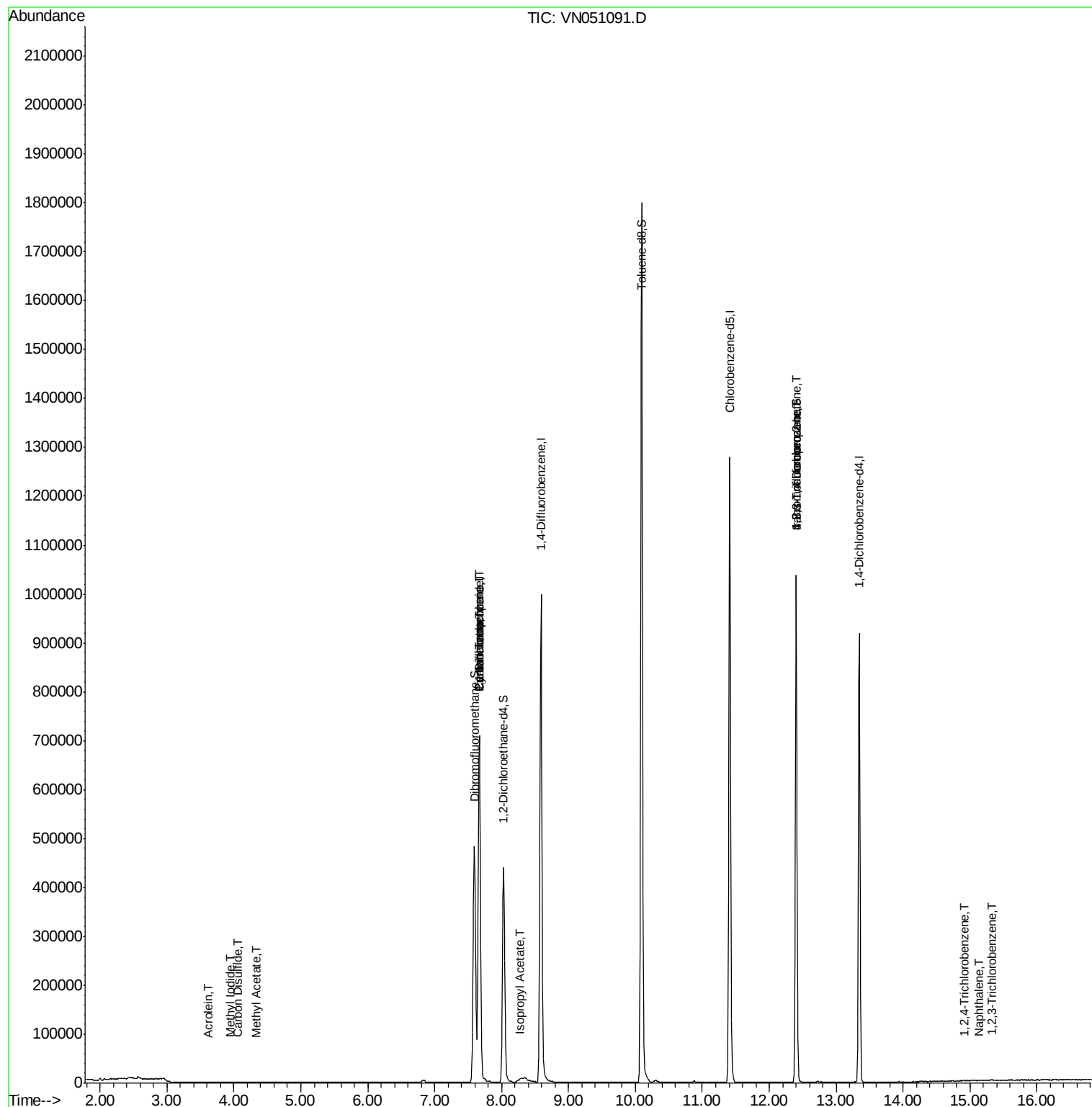
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2425	Below Cal		92
5) Bromomethane	2.57	94	3021	Below Cal		81
10) Methyl Iodide	3.95	142	1206	5.79	ug/l #	55
13) Acrolein	3.62	56	29	24.32	ug/l #	13
16) Acetone	3.84	43	1438	Below Cal	#	40
17) Carbon Disulfide	4.05	76	3269	0.27	ug/l #	76
18) Methyl Acetate	4.34	43	1738	0.30	ug/l #	56
31) Cyclohexane	7.66	56	10275	0.65	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	40845	3.83	ug/l #	48
38) Carbon Tetrachloride	7.67	117	54137	5.16	ug/l #	16
43) Isopropyl Acetate	8.28	43	5970	0.55	ug/l #	50
75) 1,1,2,2-Tetrachloroethane	12.40	83	172	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	166137	38.81	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	166137	115.25	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	361	4.05	ug/l #	85
95) Naphthalene	15.13	128	685	5.40	ug/l #	69
96) 1,2,3-Trichlorobenzene	15.32	180	557	3.06	ug/l #	57

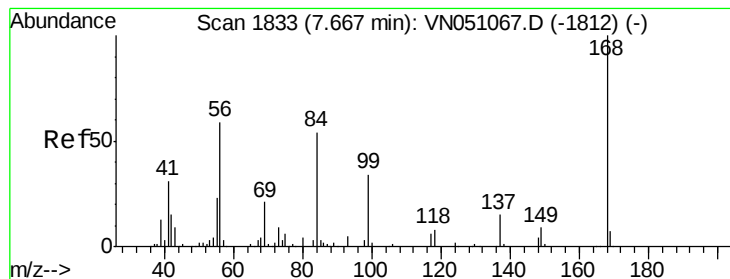
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
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ALS Vial : 31 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL02

Quant Time: Sep 11 04:33:37 2018
Quant Method : Z:\V0ASRV\HPCHEM1\MSVOA_N\METHODS\82N091018W.M
Quant Title : SW846 8260
QLast Update : Tue Sep 11 02:27:09 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.00 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

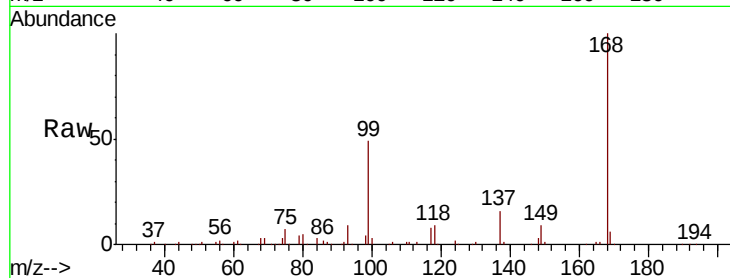
VN0910MBL02

Tot Ion:168 Resp: 642820

Ion Ratio Lower Upper

168 100

99 49.1 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): VN051067.D (-1812) (-)

Ion 98.90 (98.60 to 99.60): VN051067.D (-1812) (-)

7.67

250000

200000

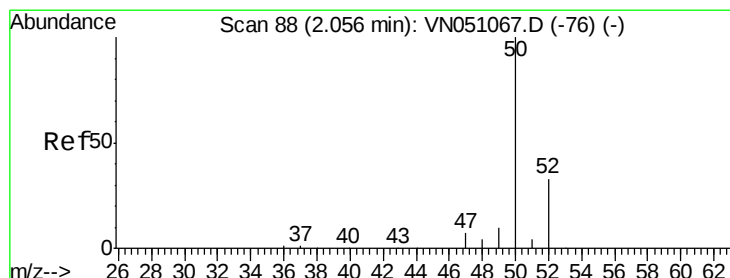
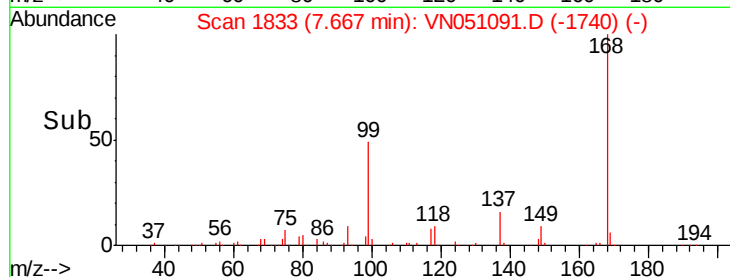
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: Below Cal

RT: 2.06 min Scan# 88

Delta R.T. 0.00 min

Lab File: VN051091.D

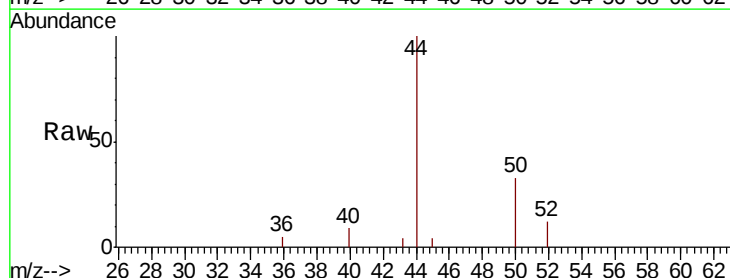
Acq: 10 Sep 2018 21:30

Tgt Ion: 50 Resp: 2425

Ion Ratio Lower Upper

50 100

52 36.7 26.0 39.0



Abundance Ion 49.90 (49.60 to 50.60): VN051067.D (-76) (-)

Ion 51.90 (51.60 to 52.60): VN051067.D (-76) (-)

2.06

2000

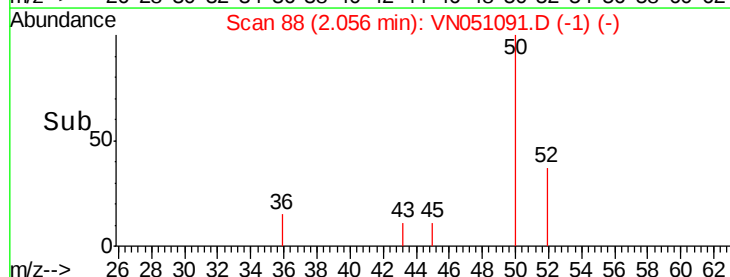
1500

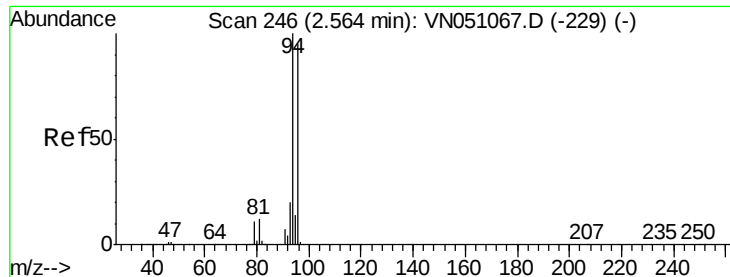
1000

500

0

Time-->





#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 248

Delta R.T. 0.01 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

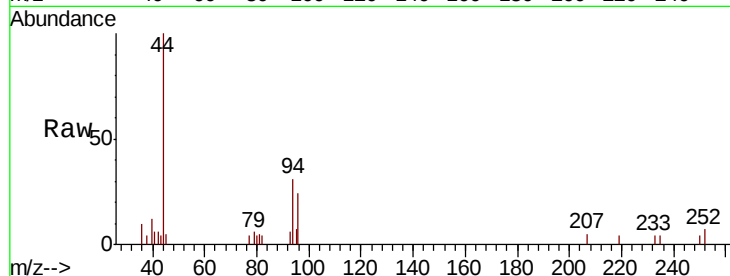
VN0910MBL02

Tot Ion: 94 Resp: 3021

Ion Ratio Lower Upper

94 100

96 76.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN051067.D (-229) (-)

Ion 95.90 (95.60 to 96.60): VN051067.D (-229) (-)

2.57

1500

1000

500

0

Time-->

2.50

2.55

2.60

2.65

2.70

2.75

2.80

2.85

2.90

2.95

3.00

3.05

3.10

3.15

3.20

3.25

3.30

3.35

3.40

3.45

3.50

3.55

3.60

3.65

3.70

3.75

3.80

3.85

3.90

3.95

4.00

4.05

4.10

4.15

4.20

4.25

4.30

4.35

4.40

4.45

4.50

4.55

4.60

4.65

4.70

4.75

4.80

4.85

4.90

4.95

5.00

5.05

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6.70

6.75

6.80

6.85

6.90

6.95

7.00

7.05

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7.60

7.65

7.70

7.75

7.80

7.85

7.90

7.95

8.00

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8.70

8.75

8.80

8.85

8.90

8.95

9.00

9.05

9.10

9.15

9.20

9.25

9.30

9.35

9.40

9.45

9.50

9.55

9.60

9.65

9.70

9.75

9.80

9.85

9.90

9.95

10.00

10.05

10.10

10.15

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10.30

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10.45

10.50

10.55

10.60

10.65

10.70

10.75

10.80

10.85

10.90

10.95

11.00

11.05

11.10

11.15

11.20

11.25

11.30

11.35

11.40

11.45

11.50

11.55

11.60

11.65

11.70

11.75

11.80

11.85

11.90

11.95

12.00

12.05

12.10

12.15

12.20

12.25

12.30

12.35

12.40

12.45

12.50

12.55

12.60

12.65

12.70

12.75

12.80

12.85

12.90

12.95

13.00

13.05

13.10

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13.35

13.40

13.45

13.50

13.55

13.60

13.65

13.70

13.75

13.80

13.85

13.90

13.95

14.00

14.05

14.10

14.15

14.20

14.25

14.30

14.35

14.40

14.45

14.50

14.55

14.60

14.65

14.70

14.75

14.80

14.85

14.90

14.95

15.00

15.05

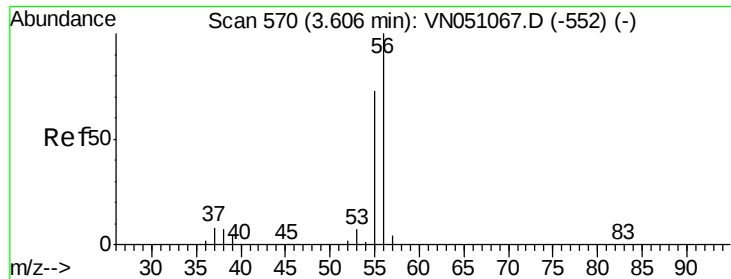
15.10

15.15

15.20

15.25

15.30



#13

Acrolein

Concen: 24.32 ug/l

RT: 3.62 min Scan# 573

Delta R.T. 0.01 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

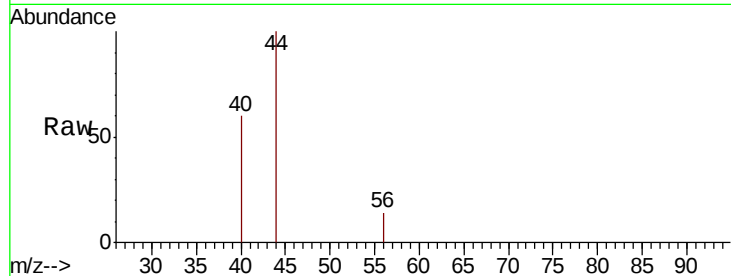
VN0910MBL02

Tot Ion: 56 Resp: 29

Ion Ratio Lower Upper

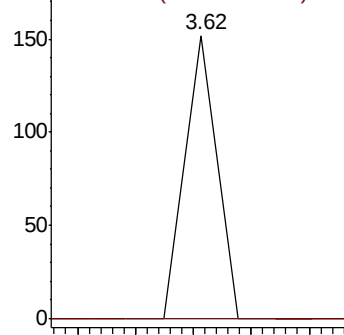
56 100

55 0.0 58.0 87.0#

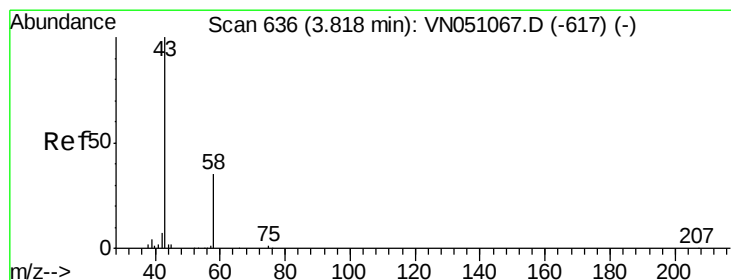
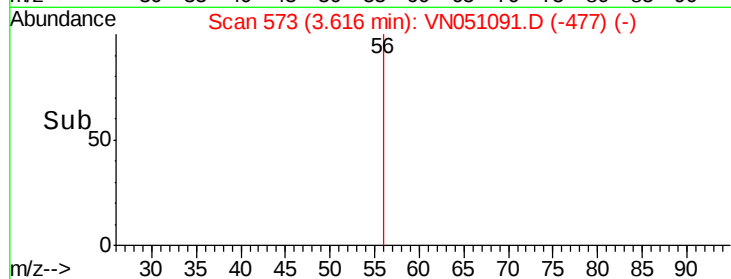


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



Time--> 3.61 3.61 3.62 3.62 3.63



#16

Acetone

Concen: Below Cal

RT: 3.84 min Scan# 642

Delta R.T. 0.02 min

Lab File: VN051091.D

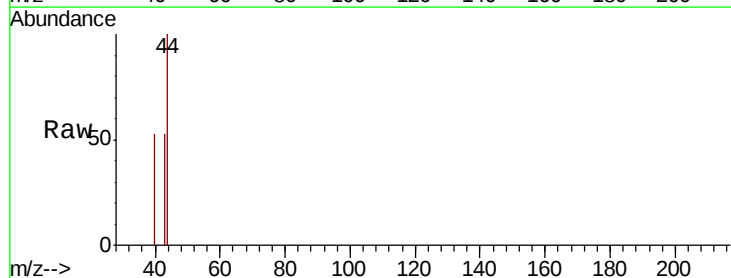
Acq: 10 Sep 2018 21:30

Tgt Ion: 43 Resp: 1438

Ion Ratio Lower Upper

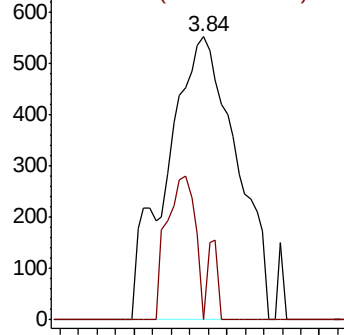
43 100

58 0.0 27.8 41.6#

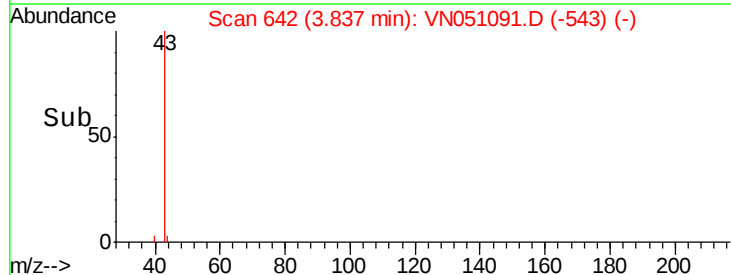


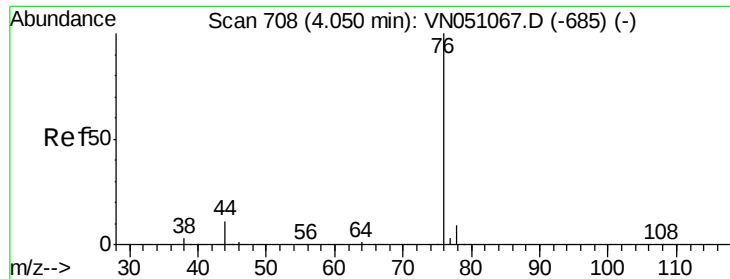
Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



Time--> 3.80 3.80 3.85 3.85 3.90

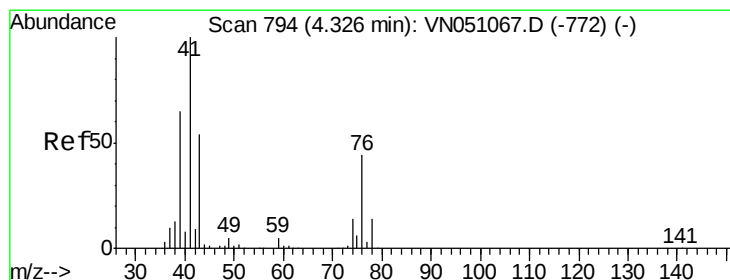
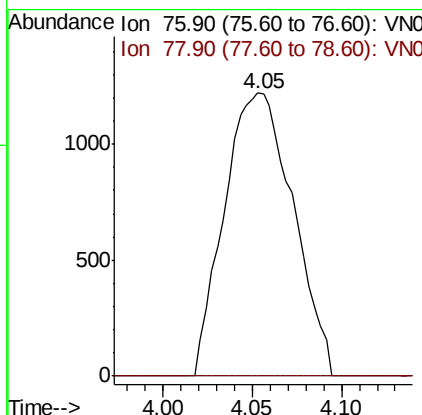
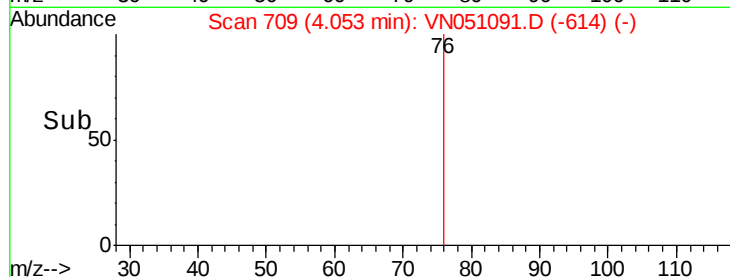
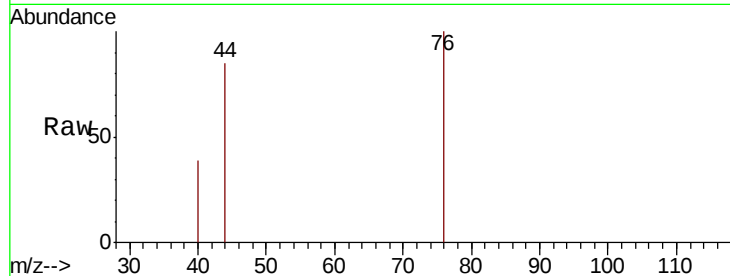




#17
Carbon Disulfide
Concen: 0.27 ug/l
RT: 4.05 min Scan# 709
Delta R.T. 0.00 min
Lab File: VN051091.D
Acq: 10 Sep 2018 21:30

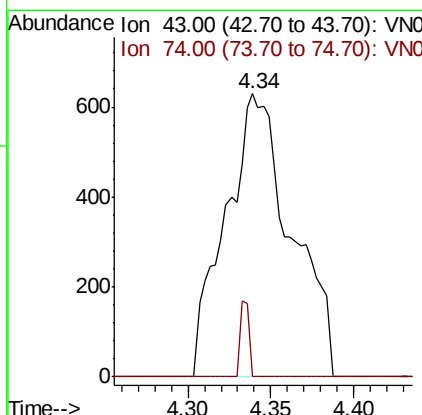
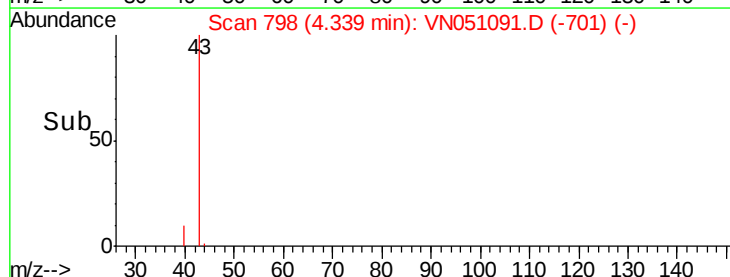
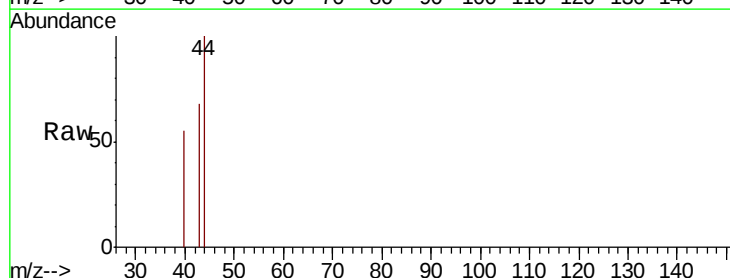
Instrument :
MSVOA_N
ClientSampled :
VN0910MBL02

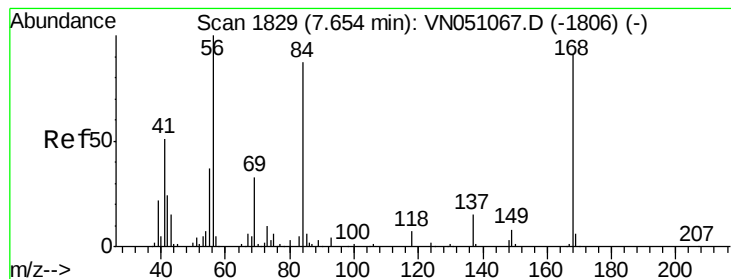
Tot Ion: 76 Resp: 3269
Ion Ratio Lower Upper
76 100
78 0.0 7.0 10.6#



#18
Methyl Acetate
Concen: 0.30 ug/l
RT: 4.34 min Scan# 798
Delta R.T. 0.01 min
Lab File: VN051091.D
Acq: 10 Sep 2018 21:30

Tgt Ion: 43 Resp: 1738
Ion Ratio Lower Upper
43 100
74 3.7 20.7 31.1#





#31

Cyclohexane

Concen: 0.65 ug/l

RT: 7.66 min Scan# 1832

Delta R.T. 0.01 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL02

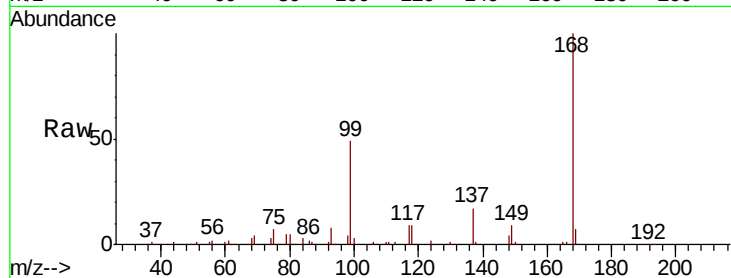
Tot Ion: 56 Resp: 10275

Ion Ratio Lower Upper

56 100

69 195.3 26.3 39.5#

84 144.3 69.4 104.0#

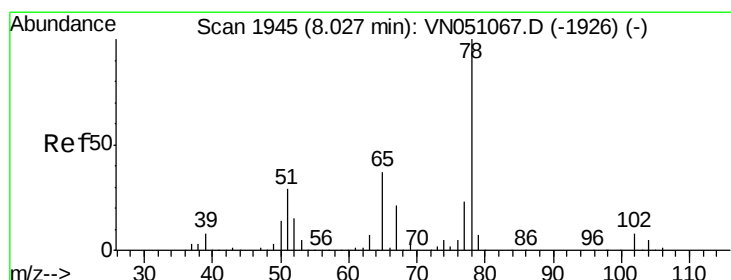
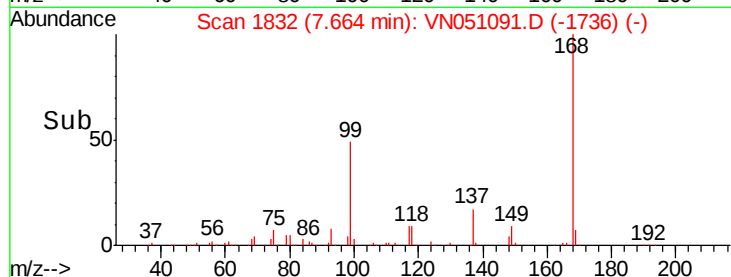
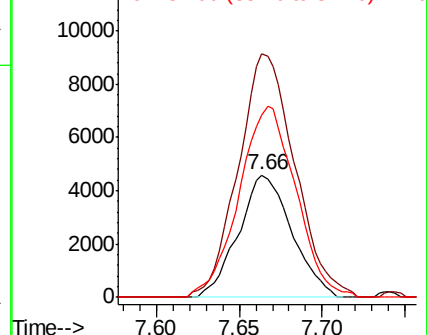


Abundance

Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0



#33

1,2-Dichloroethane-d4

Concen: 53.17 ug/l

RT: 8.03 min Scan# 1946

Delta R.T. 0.00 min

Lab File: VN051091.D

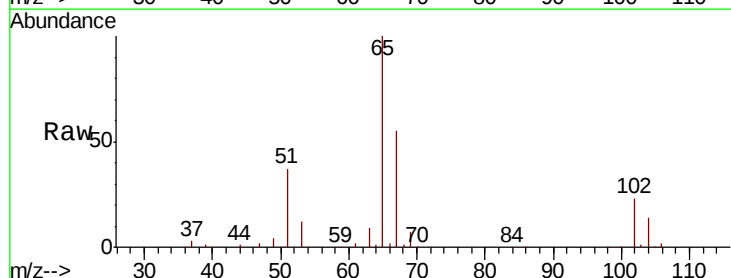
Acq: 10 Sep 2018 21:30

Tgt Ion: 65 Resp: 380386

Ion Ratio Lower Upper

65 100

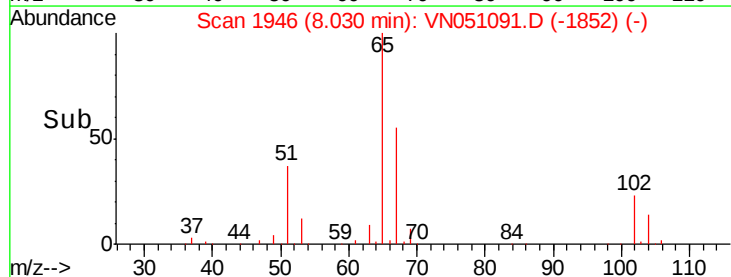
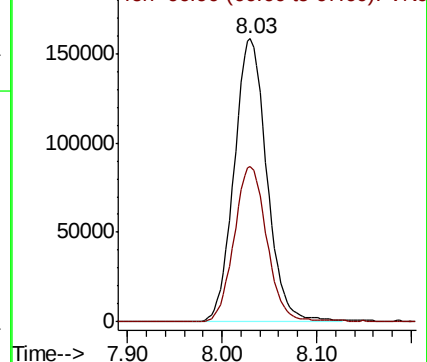
67 54.9 0.0 112.0

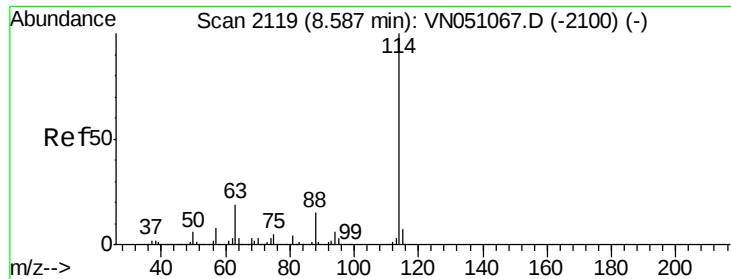


Abundance

Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0





#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2120

Delta R.T. 0.00 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL02

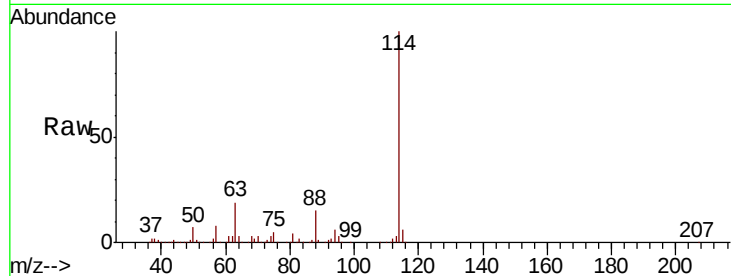
Tot Ion:114 Resp: 970924

Ion Ratio Lower Upper

114 100

63 18.7 0.0 37.8

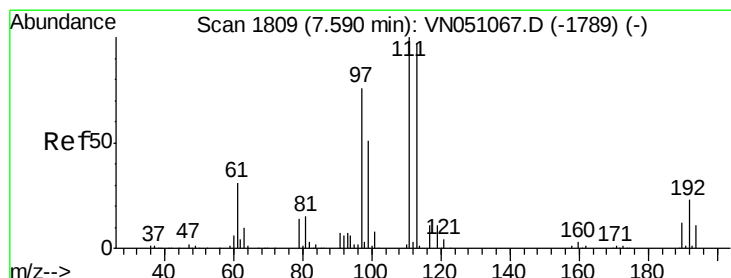
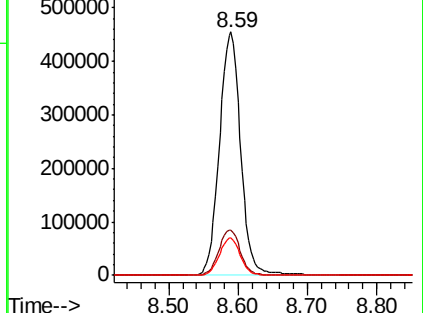
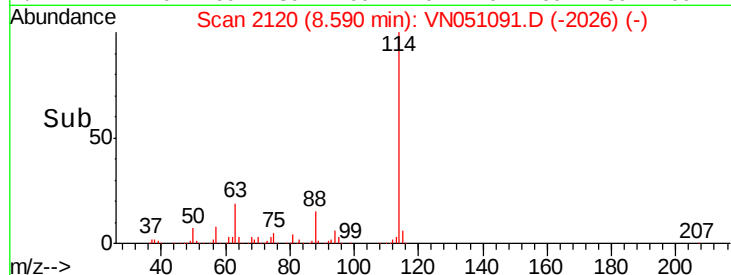
88 15.3 0.0 30.8



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN

Ion 87.90 (87.60 to 88.60): VN



#35

Dibromofluoromethane

Concen: 51.98 ug/l

RT: 7.59 min Scan# 1810

Delta R.T. 0.00 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

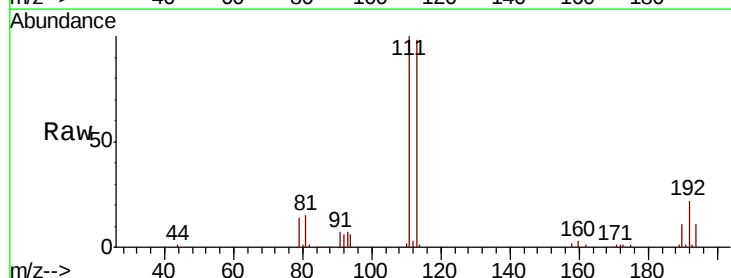
Tgt Ion:113 Resp: 379219

Ion Ratio Lower Upper

113 100

111 101.6 83.0 124.6

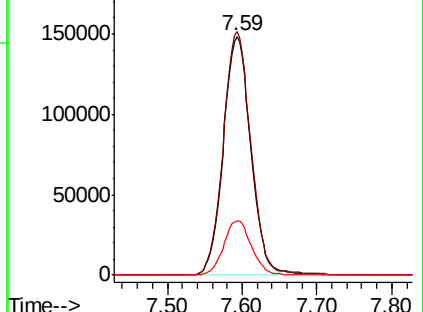
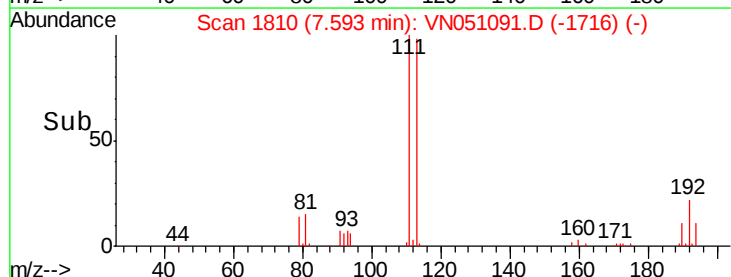
192 23.0 18.7 28.1

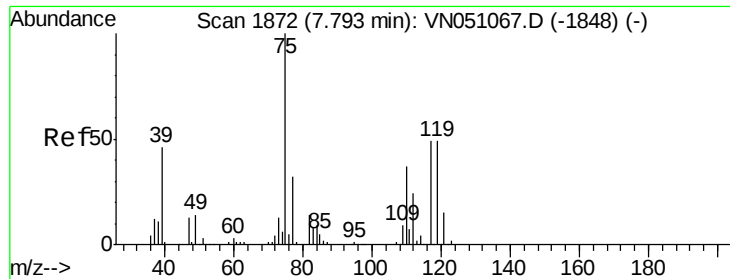


Abundance Ion 112.80 (112.50 to 113.50): V

Ion 110.80 (110.50 to 111.50): V

Ion 191.70 (191.40 to 192.40): V





#36

1,1-Dichloropropene

Concen: 3.83 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL02

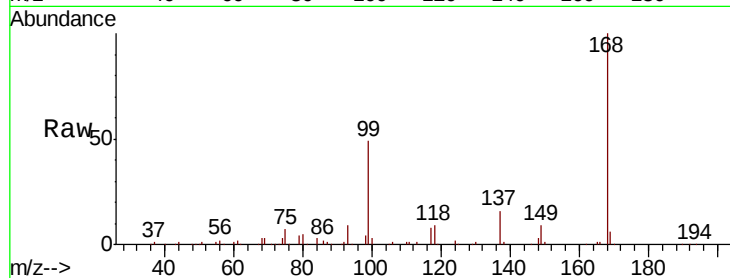
Tot Ion: 75 Resp: 40845

Ion Ratio Lower Upper

75 100

110 9.1 18.6 55.8#

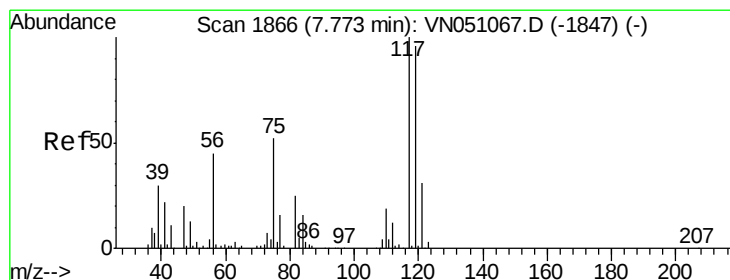
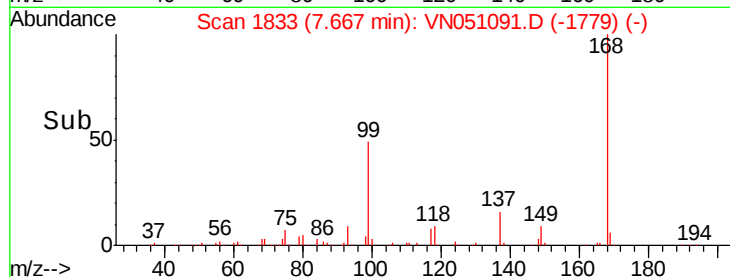
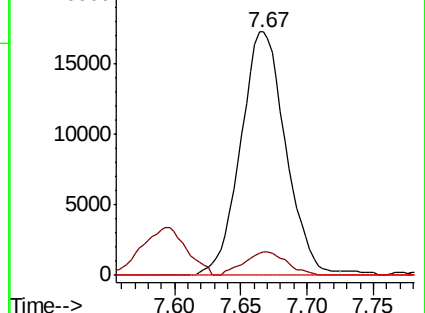
77 0.0 25.2 37.8#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): VN0



#38

Carbon Tetrachloride

Concen: 5.16 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

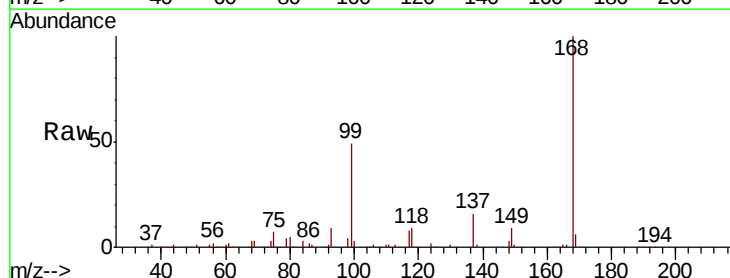
Tgt Ion: 117 Resp: 54137

Ion Ratio Lower Upper

117 100

119 5.6 76.8 115.2#

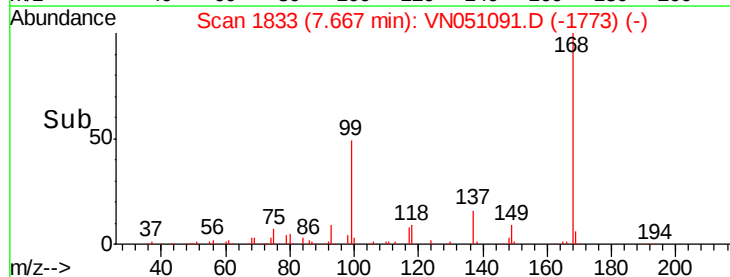
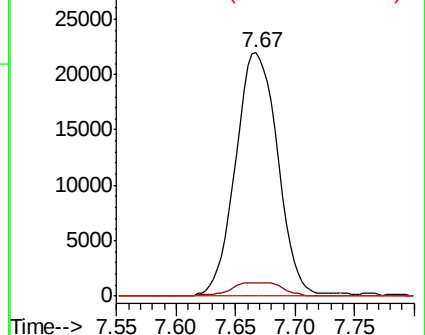
121 0.0 24.6 36.8#

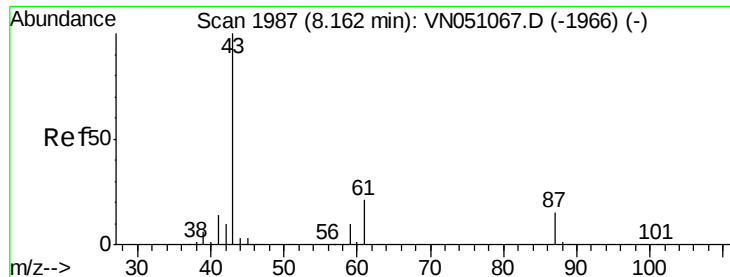


Abundance Ion 116.80 (116.50 to 117.50): V

Ion 118.80 (118.50 to 119.50): V

Ion 120.80 (120.50 to 121.50): V





#43

Isopropyl Acetate

Concen: 0.55 ug/l

RT: 8.28 min Scan# 2023

Delta R.T. 0.12 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL02

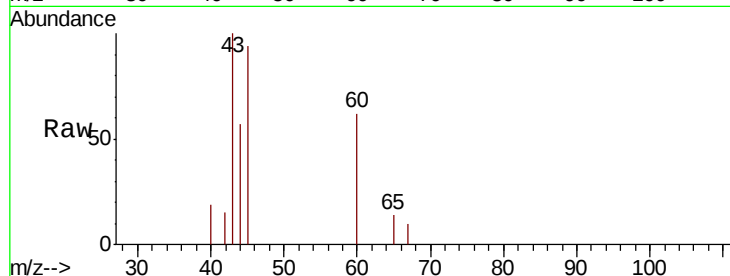
Tot Ion: 43 Resp: 5970

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

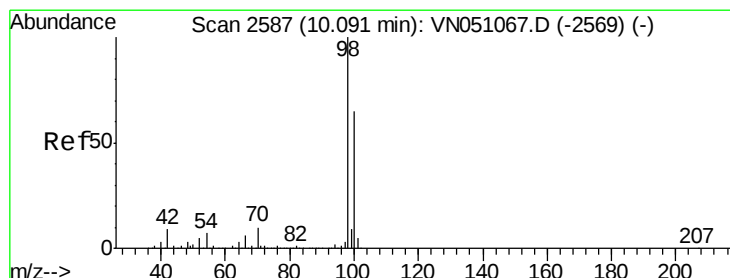
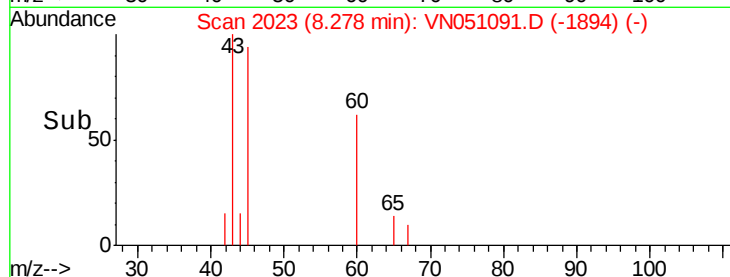
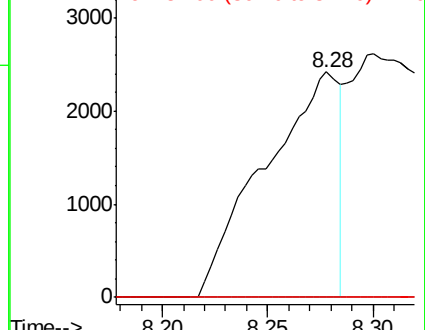
87 0.0 11.8 17.8#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#50

Toluene-d8

Concen: 48.99 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051091.D

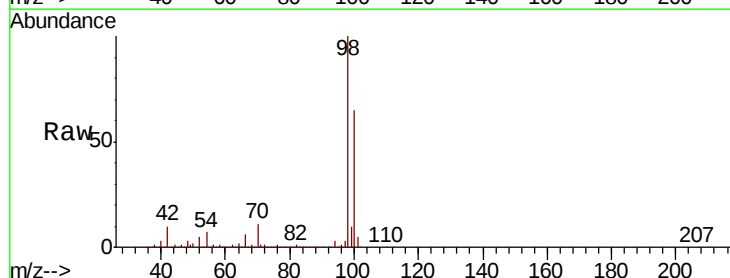
Acq: 10 Sep 2018 21:30

Tgt Ion: 98 Resp: 1356256

Ion Ratio Lower Upper

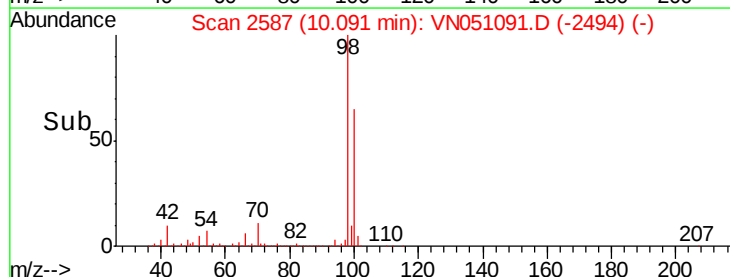
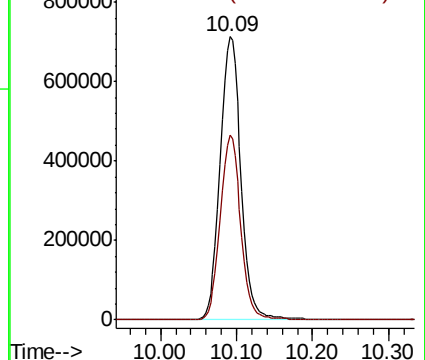
98 100

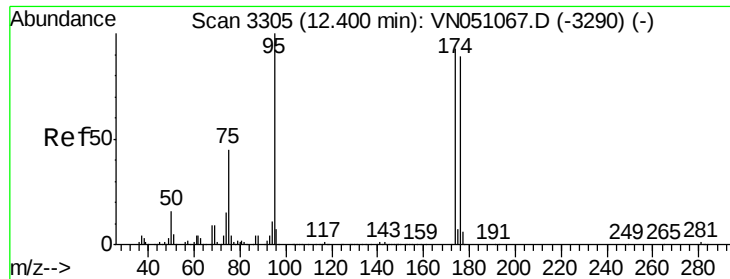
100 64.2 52.0 78.0



Abundance Ion 98.00 (97.70 to 98.70): VN0

Ion 100.00 (99.70 to 100.70): VN0

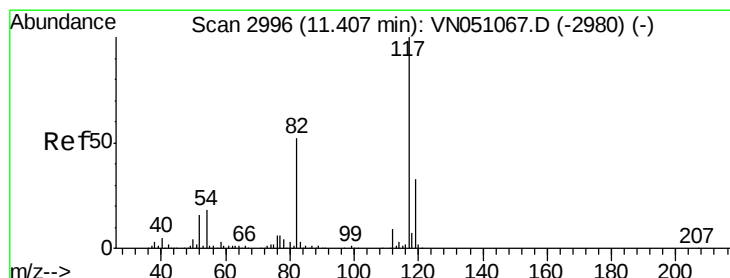
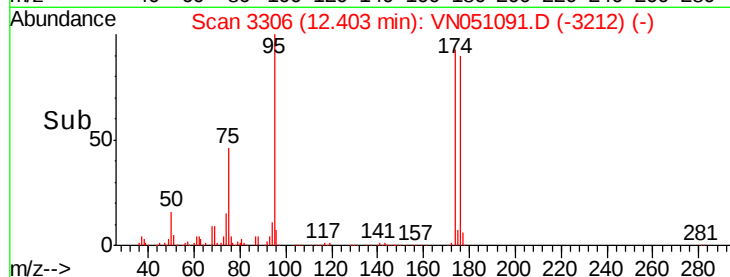
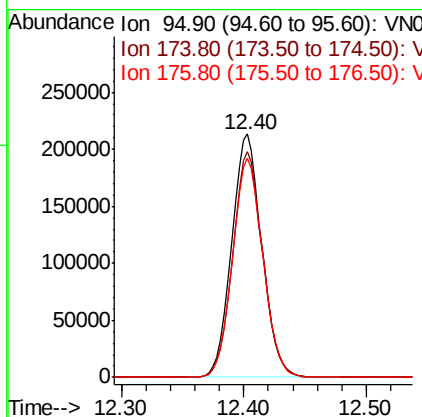
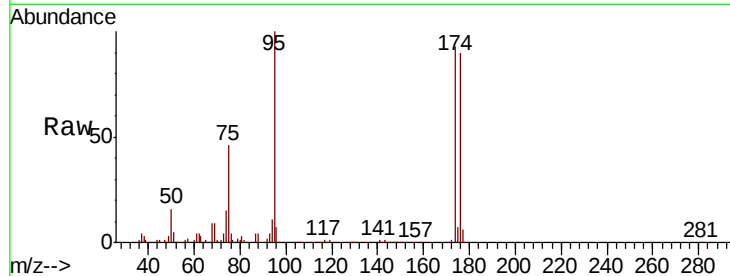




#62
4-Bromofluorobenzene
Concen: 39.87 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.00 min
Lab File: VN051091.D
Acq: 10 Sep 2018 21:30

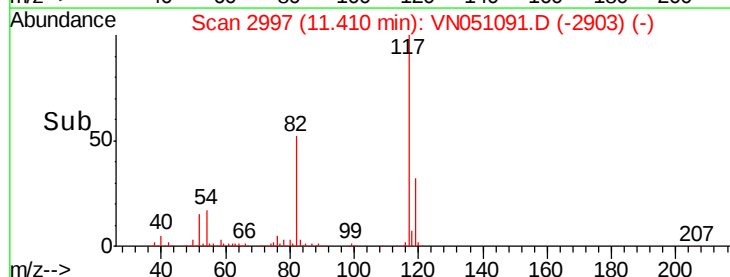
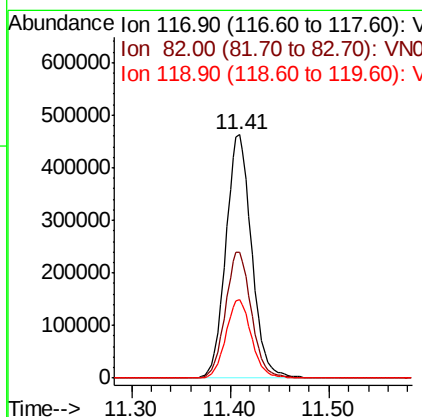
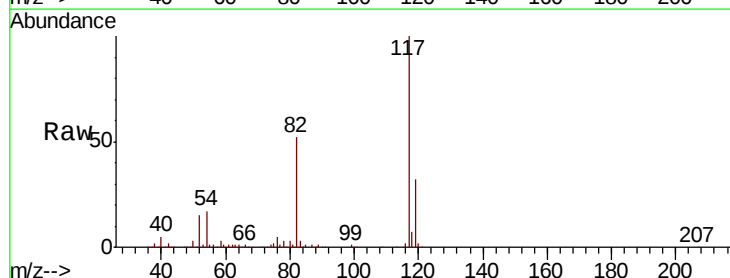
Instrument :
MSVOA_N
ClientSampled :
VN0910MBL02

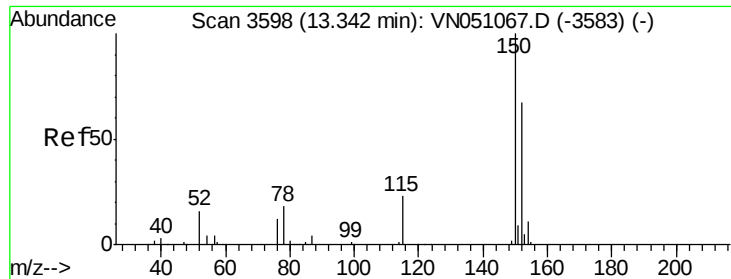
Tot Ion: 95 Resp: 365159
Ion Ratio Lower Upper
95 100
174 92.1 0.0 184.8
176 90.3 0.0 178.6



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2997
Delta R.T. 0.00 min
Lab File: VN051091.D
Acq: 10 Sep 2018 21:30

Tgt Ion: 117 Resp: 845519
Ion Ratio Lower Upper
117 100
82 51.7 41.8 62.6
119 32.0 26.2 39.2





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL02

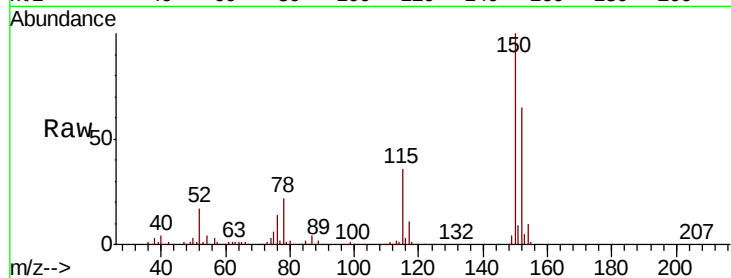
Tot Ion:152 Resp: 273775

Ion Ratio Lower Upper

152 100

115 55.9 28.2 84.7

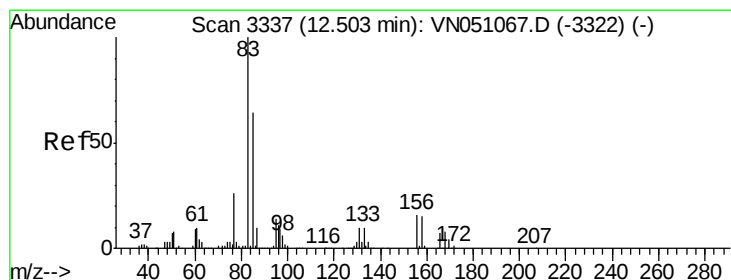
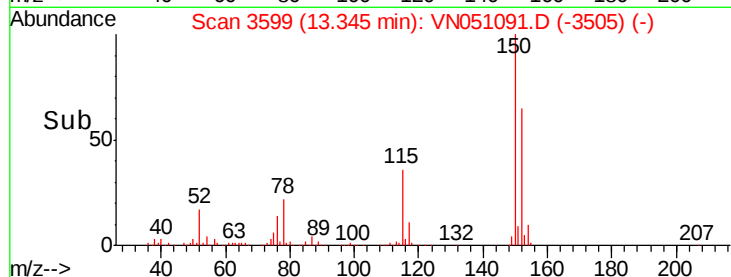
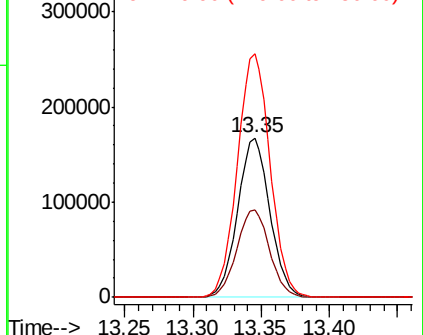
150 155.8 0.0 349.0



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



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.40 min Scan# 3305

Delta R.T. -0.10 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

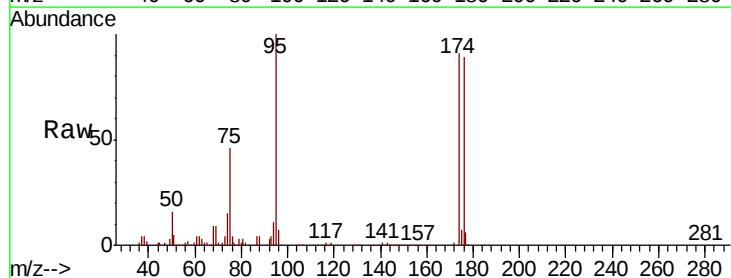
Tgt Ion: 83 Resp: 172

Ion Ratio Lower Upper

83 100

131 179.1 5.3 16.1#

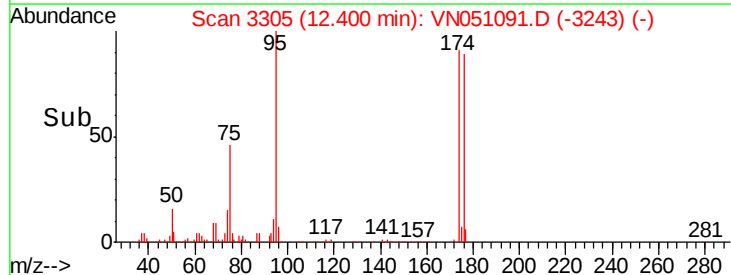
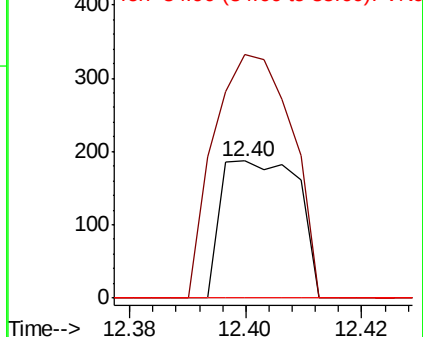
85 0.0 32.3 96.8#

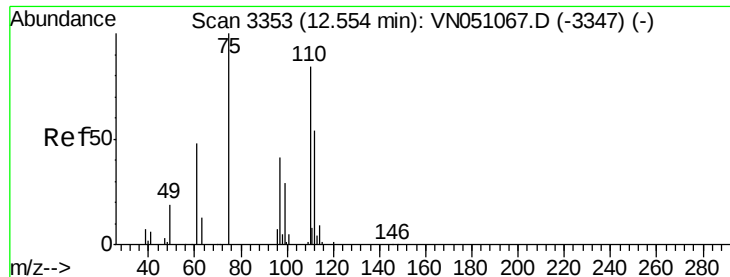


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 38.81 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. -0.15 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

Instrument :

MSVOA_N

ClientSampled :

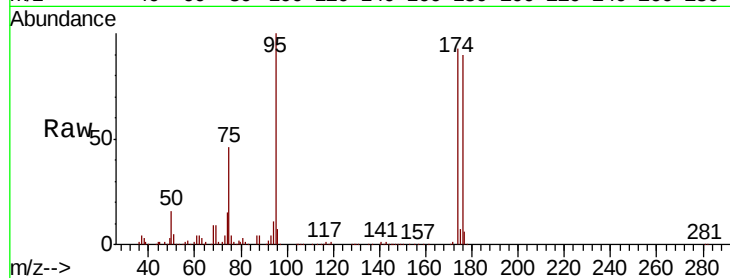
VN0910MBL02

Tot Ion: 75 Resp: 166137

Ion Ratio Lower Upper

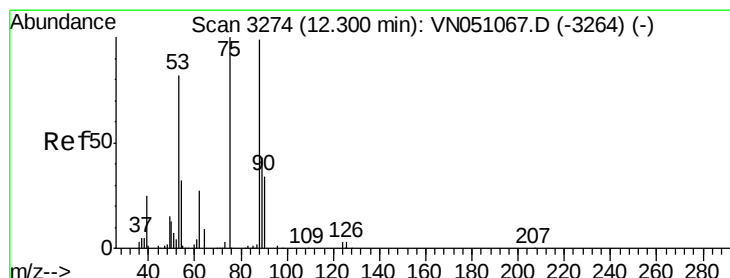
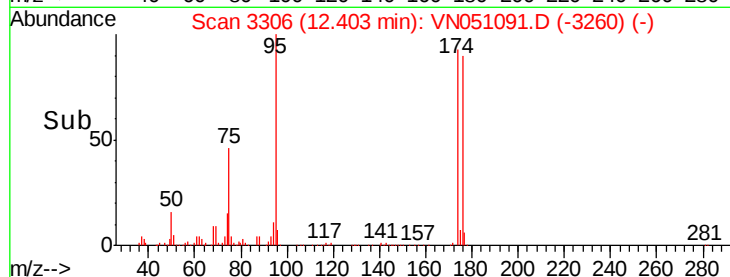
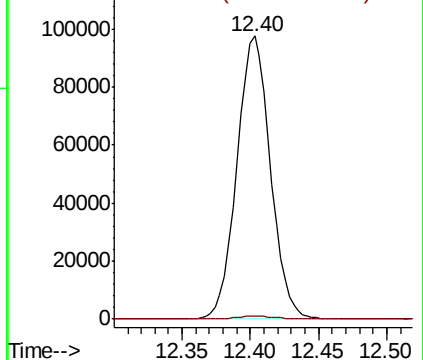
75 100

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



#81

trans-1,4-Dichloro-2-butene

Concen: 115.25 ug/l

RT: 12.40 min Scan# 3306

Delta R.T. 0.10 min

Lab File: VN051091.D

Acq: 10 Sep 2018 21:30

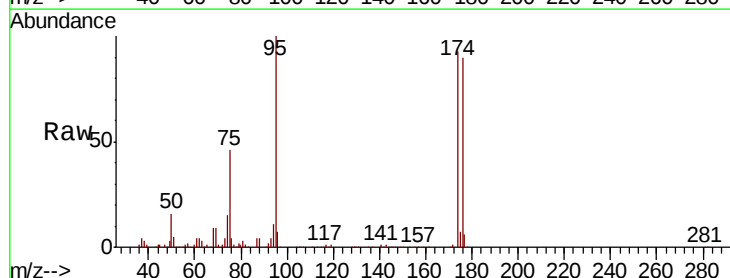
Tgt Ion: 75 Resp: 166137

Ion Ratio Lower Upper

75 100

53 0.2 67.8 101.8#

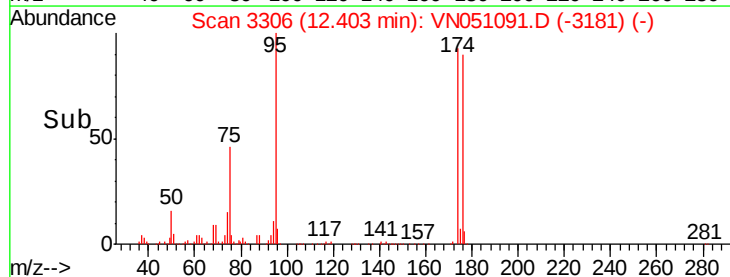
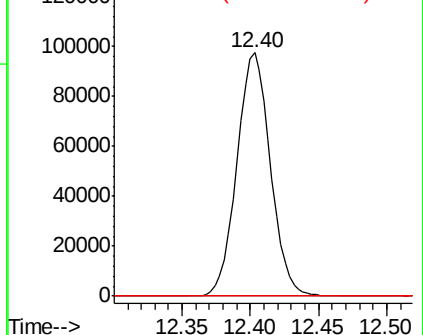
89 0.0 36.0 54.0#

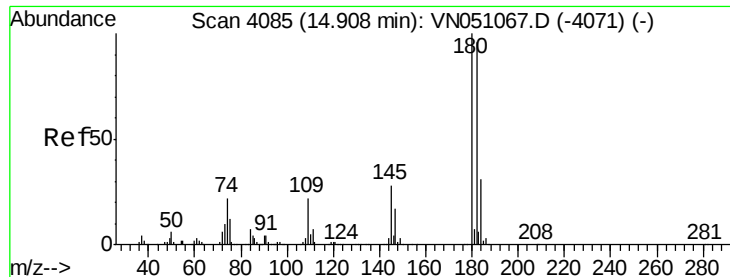


Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 53.00 (52.70 to 53.70): VN0

Ion 88.90 (88.60 to 89.60): VN0

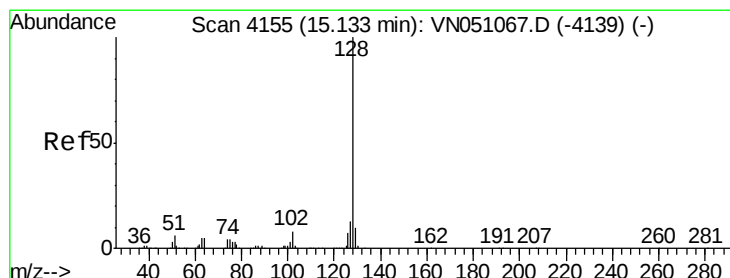
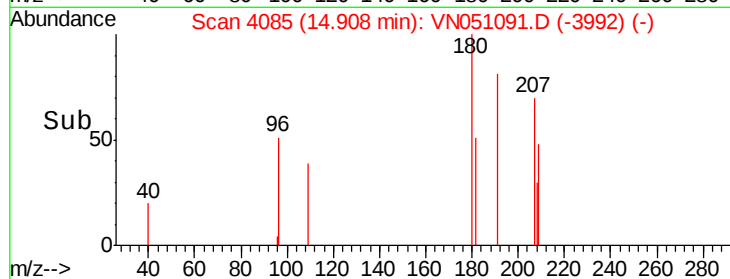
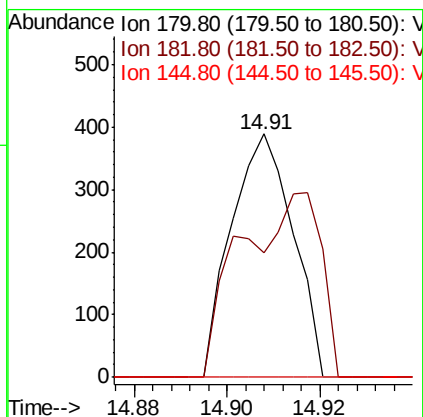
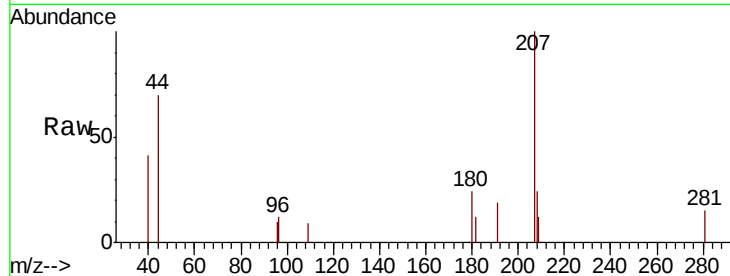




#93
 1,2,4-Trichlorobenzene
 Concen: 4.05 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051091.D
 Acq: 10 Sep 2018 21:30

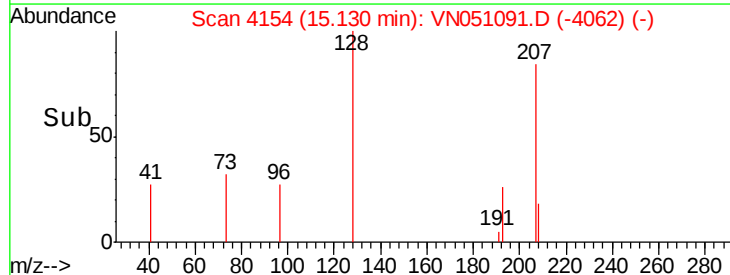
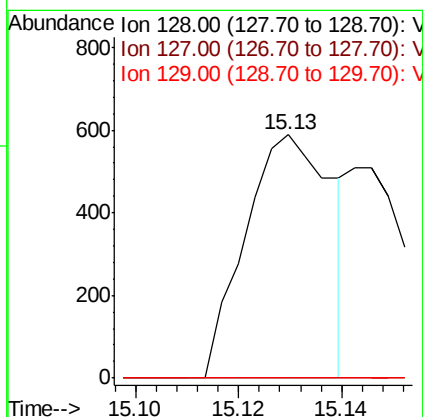
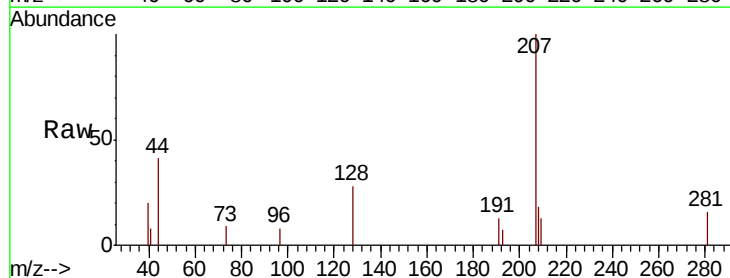
Instrument :
 MSVOA_N
 ClientSampled :
 VN0910MBL02

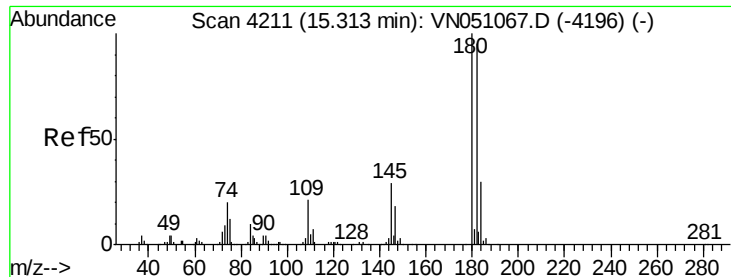
Tot Ion:180 Resp: 361
 Ion Ratio Lower Upper
 180 100
 182 97.5 47.3 141.8
 145 0.0 14.2 42.6#



#95
 Naphthalene
 Concen: 5.40 ug/l
 RT: 15.13 min Scan# 4154
 Delta R.T. -0.00 min
 Lab File: VN051091.D
 Acq: 10 Sep 2018 21:30

Tgt Ion:128 Resp: 685
 Ion Ratio Lower Upper
 128 100
 127 0.0 10.6 15.8#
 129 0.0 8.6 12.8#





#96
 1,2,3-Trichlorobenzene
 Concen: 3.06 ug/l
 RT: 15.32 min Scan# 4214
 Delta R.T. 0.01 min
 Lab File: VN051091.D
 Acq: 10 Sep 2018 21:30

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL02

Tot Ion	Ratio	Lower	Upper
180	100		
182	57.5	47.8	143.3
145	0.0	14.6	43.8#

