

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN091018\
 Data File : VN051074.D
 Acq On : 10 Sep 2018 13:33
 Operator : MD\SY
 Sample : VN0910MBL01
 Misc : 5.00µl/10mL/100µL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

Quant Time: Sep 11 03:17:50 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	685273	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1016991	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	895900	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	303142	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	392306	51.44	ug/l	0.00
Spiked Amount			Recovery	=	102.88%	
35) Dibromofluoromethane	7.59	113	391925	51.29	ug/l	0.00
Spiked Amount			Recovery	=	102.58%	
50) Toluene-d8	10.09	98	1430097	49.32	ug/l	0.00
Spiked Amount			Recovery	=	98.64%	
62) 4-Bromofluorobenzene	12.40	95	397015	41.39	ug/l	0.00
Spiked Amount			Recovery	=	82.78%	

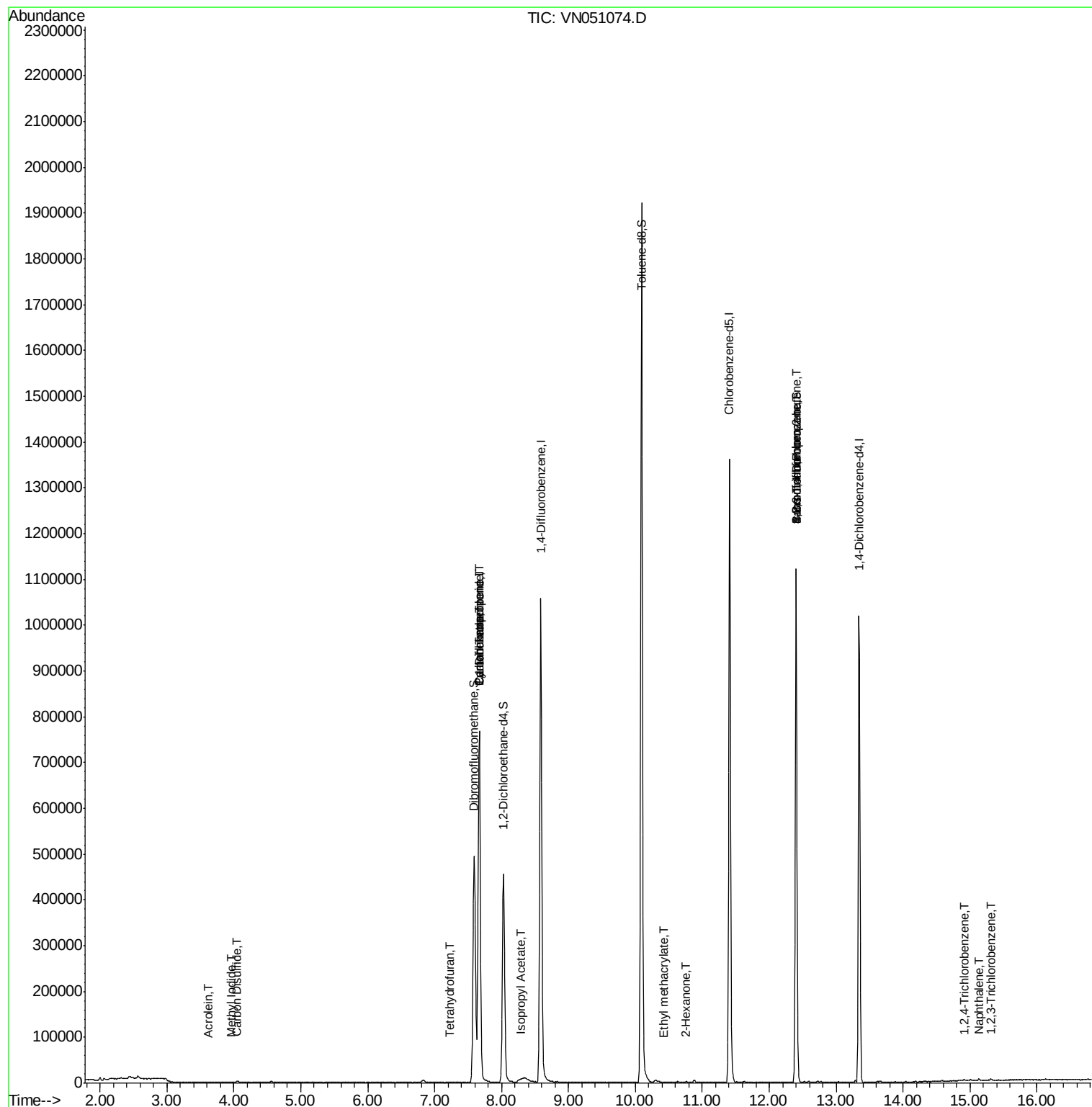
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	3060	Below Cal		97
5) Bromomethane	2.57	94	3311	Below Cal		94
10) Methyl Iodide	3.95	142	1724	5.84	ug/l #	92
13) Acrolein	3.61	56	122	24.44	ug/l #	13
16) Acetone	3.82	43	1458	Below Cal		97
17) Carbon Disulfide	4.05	76	6322	0.41	ug/l #	90
29) Tetrahydrofuran	7.23	42	872	0.47	ug/l #	61
31) Cyclohexane	7.67	56	10860	0.64	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	42417	3.80	ug/l #	48
38) Carbon Tetrachloride	7.67	117	57051	5.19	ug/l #	17
43) Isopropyl Acetate	8.29	43	7288	0.64	ug/l #	50
56) Ethyl methacrylate	10.43	69	107	2.46	ug/l #	53
59) 2-Hexanone	10.75	43	1669	0.39	ug/l	64
71) Bromoform	12.40	173	1948	0.34	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.50	83	176	Below Cal	#	66
76) 1,2,3-Trichloropropane	12.40	75	182100	38.40	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	182100	114.08	ug/l #	15
93) 1,2,4-Trichlorobenzene	14.91	180	1256	4.19	ug/l	92
94) Hexachlorobutadiene	15.00	225	918	Below Cal		66
95) Naphthalene	15.13	128	3130	5.59	ug/l	96
96) 1,2,3-Trichlorobenzene	15.31	180	1324	3.19	ug/l	88

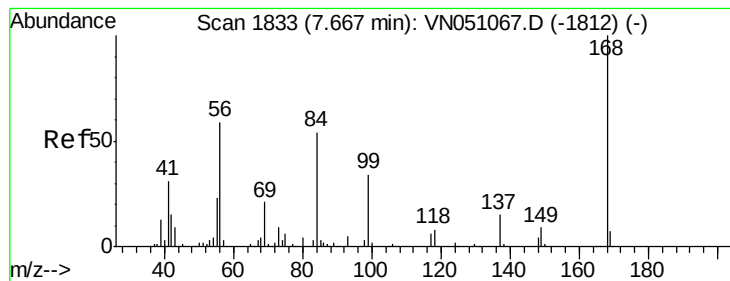
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\V0ASRV\HPCHEM1\MSVOA_N\DATA\VN091018\
Data File : VN051074.D
Acq On : 10 Sep 2018 13:33
Operator : MD\SY
Sample : VN0910MBL01
Misc : 5.00µL/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 12 Sample Multiplier: 1

Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

Quant Time: Sep 11 03:17:50 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: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

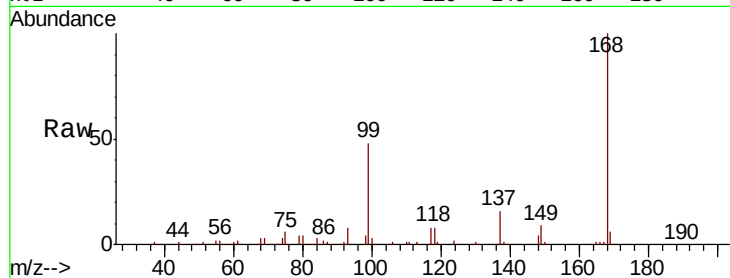
VN0910MBL01

Tot Ion:168 Resp: 685273

Ion Ratio Lower Upper

168 100

99 47.7 38.3 57.5



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN

7.67

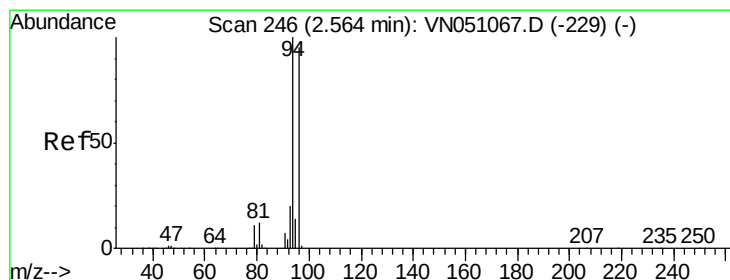
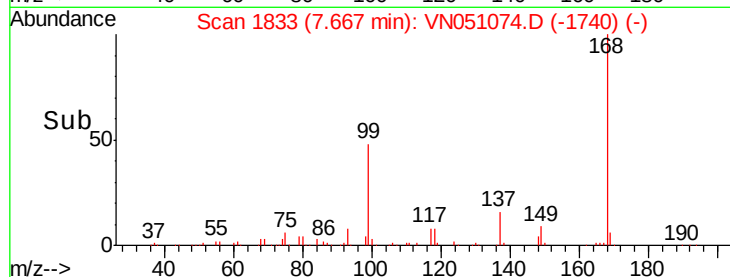
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.57 min Scan# 247

Delta R.T. 0.00 min

Lab File: VN051074.D

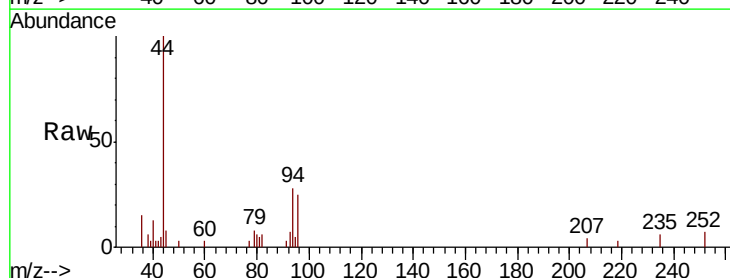
Acq: 10 Sep 2018 13:33

Tgt Ion: 94 Resp: 3311

Ion Ratio Lower Upper

94 100

96 88.8 75.9 113.9



Abundance Ion 93.90 (93.60 to 94.60): VN

Ion 95.90 (95.60 to 96.60): VN

2.57

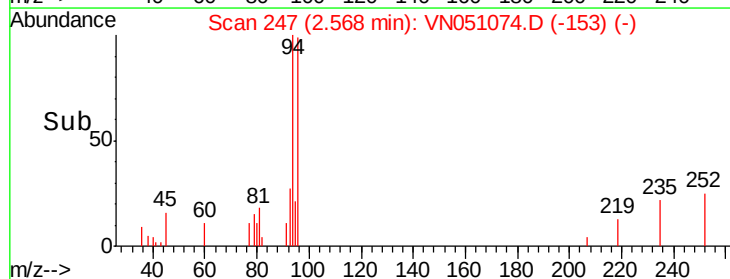
1500

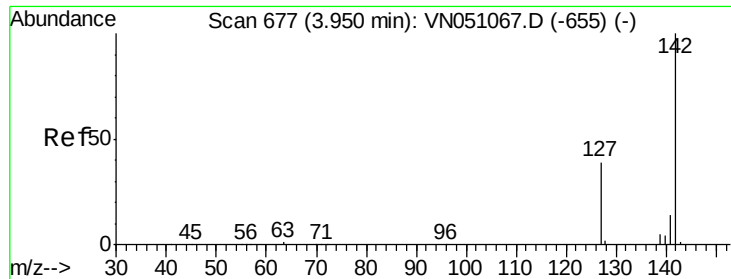
1000

500

0

Time-->

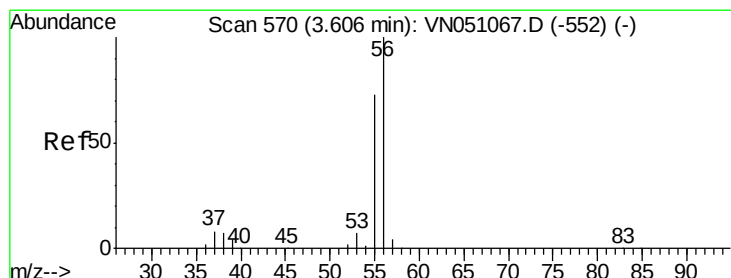
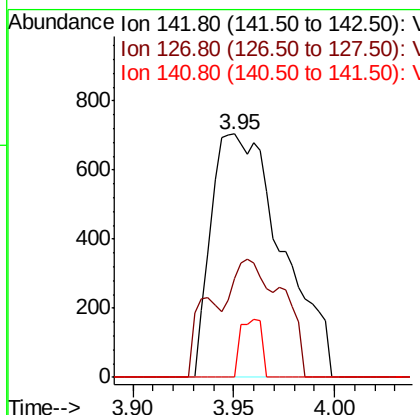
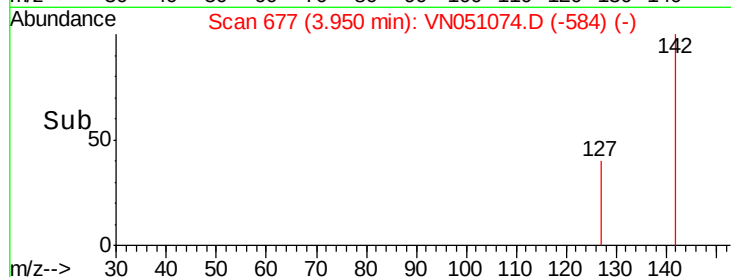
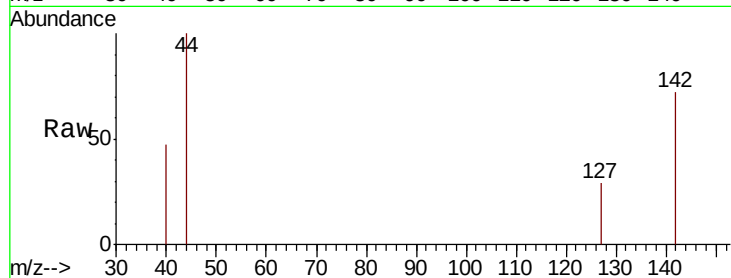




#10
Methvl Iodide
Concen: 5.84 ug/l
RT: 3.95 min Scan# 677
Delta R.T. 0.00 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

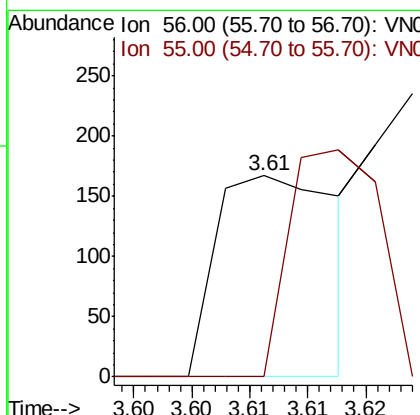
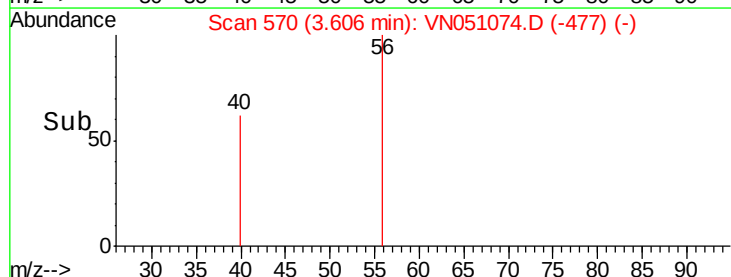
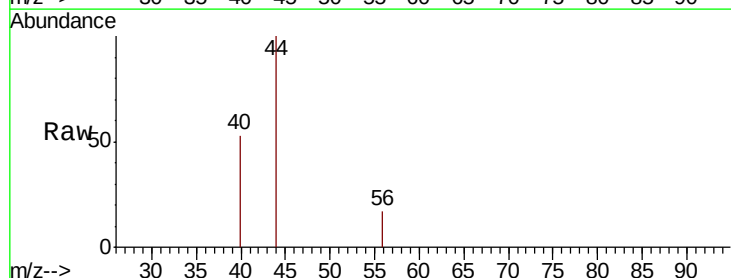
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

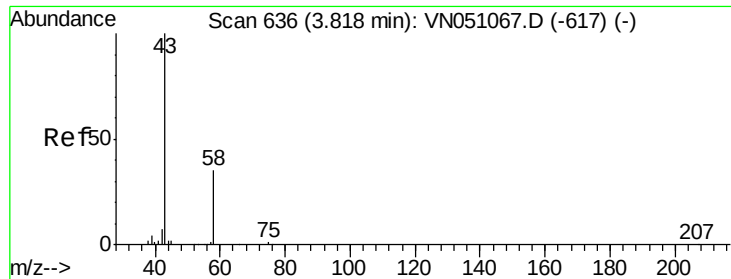
Tot Ion:142 Resp: 1724
Ion Ratio Lower Upper
142 100
127 35.7 31.0 46.4
141 7.2 11.3 16.9#



#13
Acrolein
Concen: 24.44 ug/l
RT: 3.61 min Scan# 570
Delta R.T. 0.00 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

Tgt Ion: 56 Resp: 122
Ion Ratio Lower Upper
56 100
55 0.0 58.0 87.0#

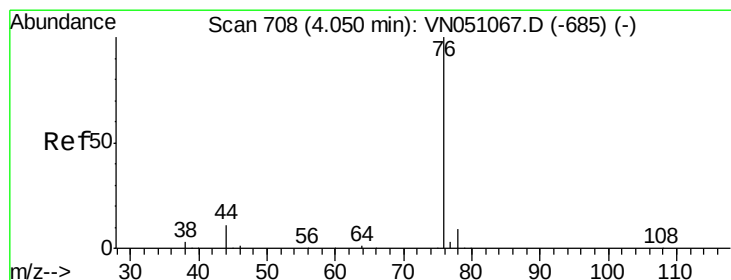
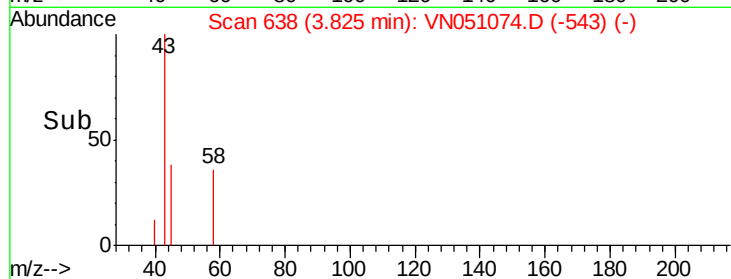
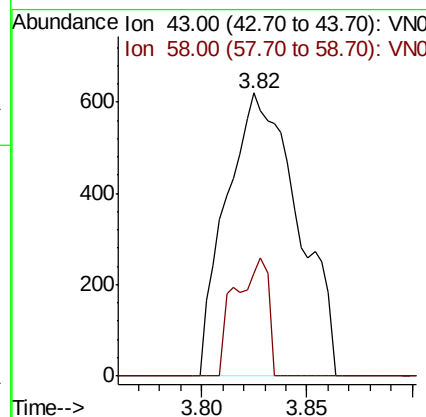
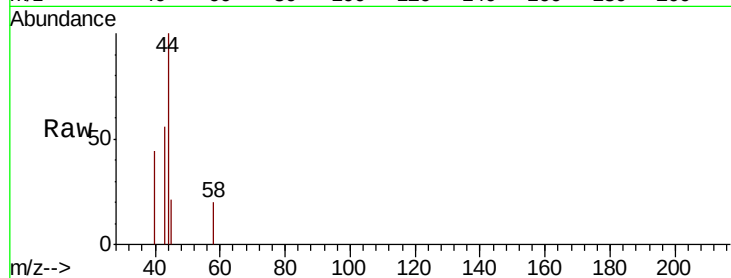




#16
Acetone
Concen: Below Cal
RT: 3.82 min Scan# 638
Delta R.T. 0.01 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

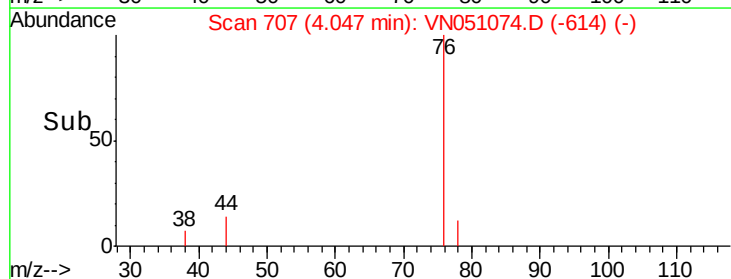
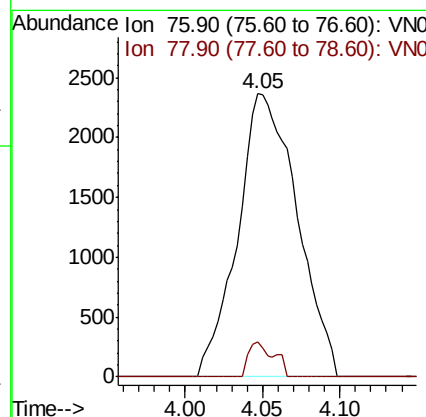
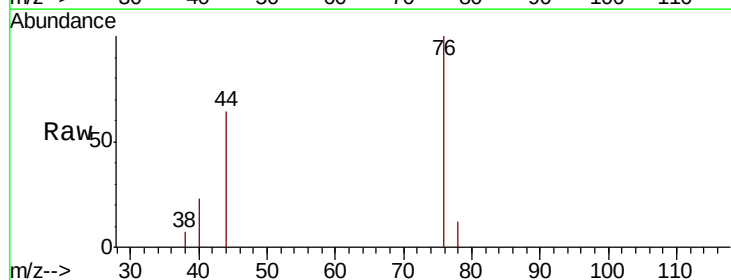
Instrument :
MSVOA_N
ClientSampled :
VN0910MBL01

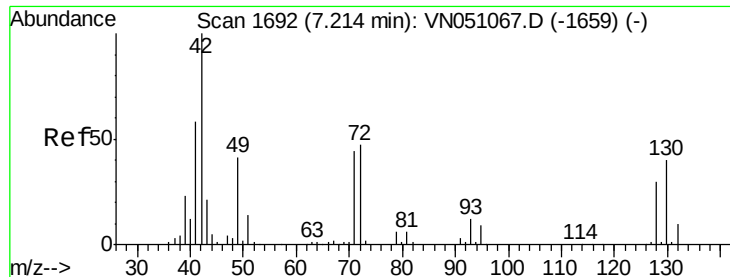
Tot Ion: 43 Resp: 1458
Ion Ratio Lower Upper
43 100
58 36.3 27.8 41.6



#17
Carbon Disulfide
Concen: 0.41 ug/l
RT: 4.05 min Scan# 707
Delta R.T. -0.00 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

Tgt Ion: 76 Resp: 6322
Ion Ratio Lower Upper
76 100
78 12.4 7.0 10.6#





#29

Tetrahydrofuran

Concen: 0.47 ug/l

RT: 7.23 min Scan# 1697

Delta R.T. 0.02 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

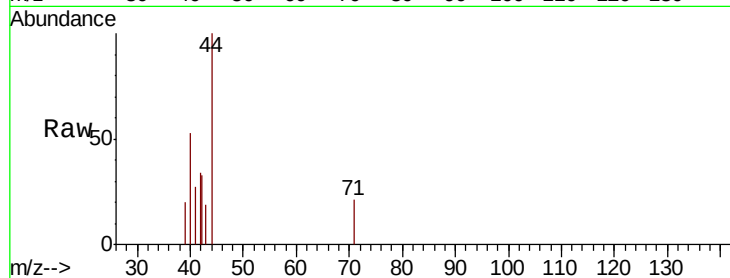
Tot Ion: 42 Resp: 872

Ion Ratio Lower Upper

42 100

72 7.9 37.4 56.0#

71 31.7 34.7 52.1#



Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0

7.23

600

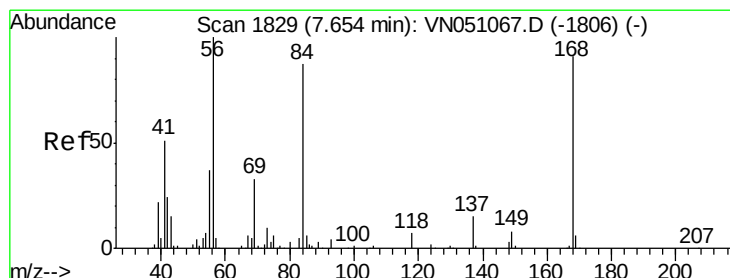
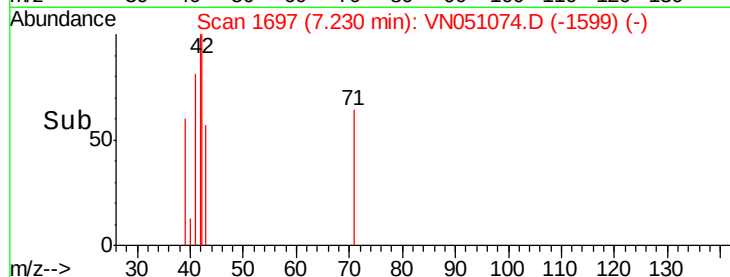
400

200

0

7.18 7.20 7.22 7.24

Time-->



#31

Cyclohexane

Concen: 0.64 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. 0.01 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

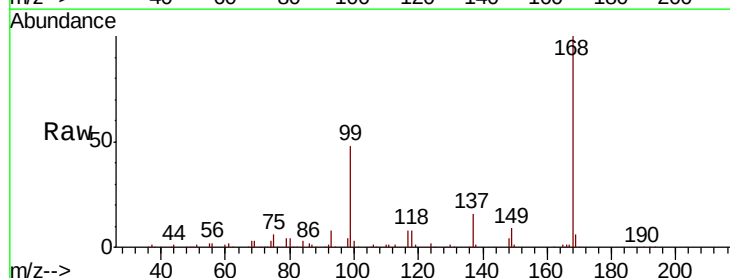
Tgt Ion: 56 Resp: 10860

Ion Ratio Lower Upper

56 100

69 194.1 26.3 39.5#

84 172.4 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

7.67

12000

10000

8000

6000

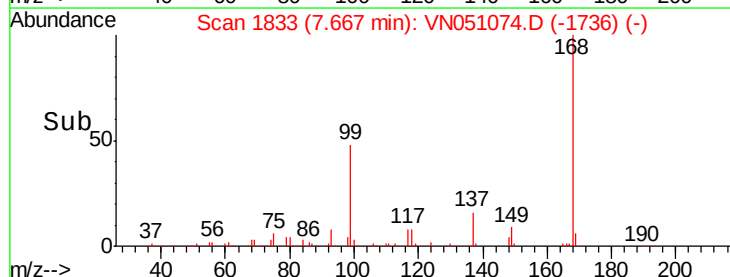
4000

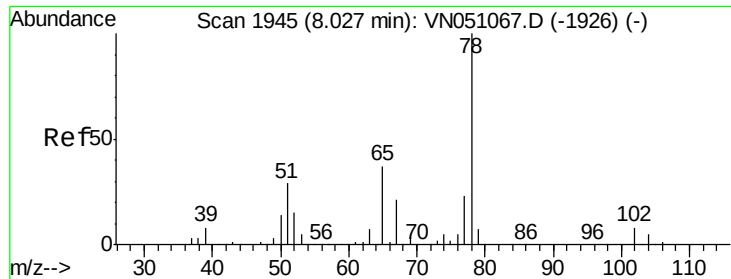
2000

0

7.60 7.65 7.70

Time-->

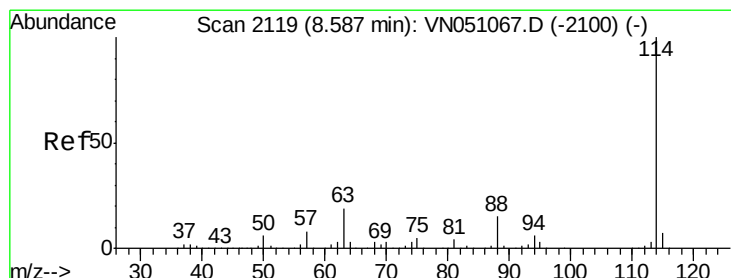
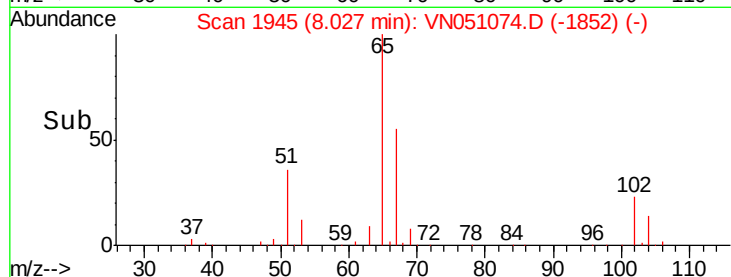
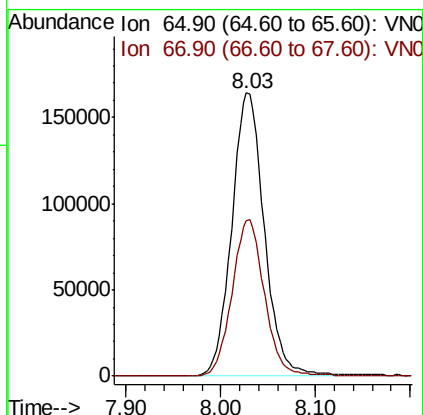
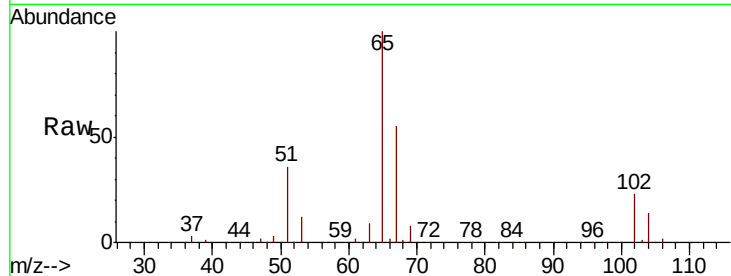




#33
 1,2-Dichloroethane-d4
 Concen: 51.44 ug/l
 RT: 8.03 min Scan# 1945
 Delta R.T. -0.00 min
 Lab File: VN051074.D
 Acq: 10 Sep 2018 13:33

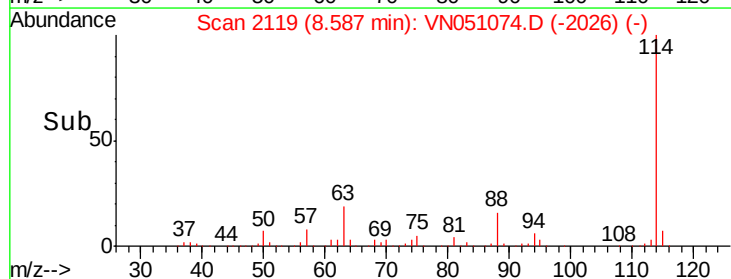
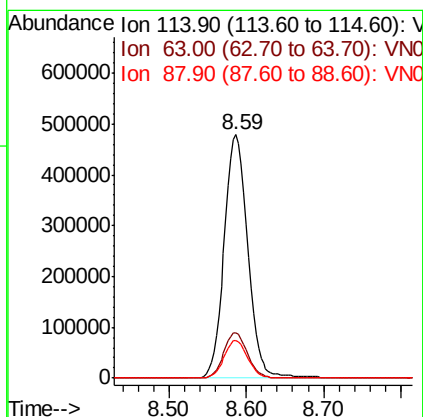
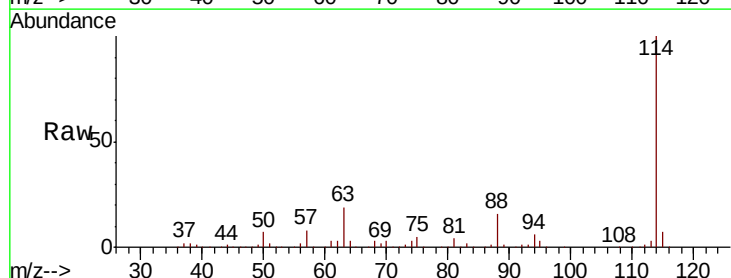
Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

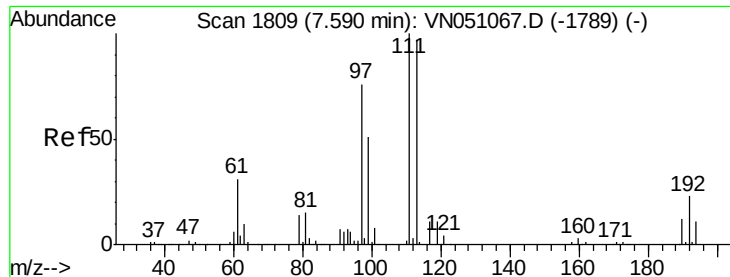
Tot Ion: 65 Resp: 392306
 Ion Ratio Lower Upper
 65 100
 67 55.1 0.0 112.0



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2119
 Delta R.T. -0.00 min
 Lab File: VN051074.D
 Acq: 10 Sep 2018 13:33

Tgt Ion: 114 Resp: 1016991
 Ion Ratio Lower Upper
 114 100
 63 18.6 0.0 37.8
 88 15.6 0.0 30.8





#35

Dibromofluoromethane

Concen: 51.29 ug/l

RT: 7.59 min Scan# 1809

Delta R.T. -0.00 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

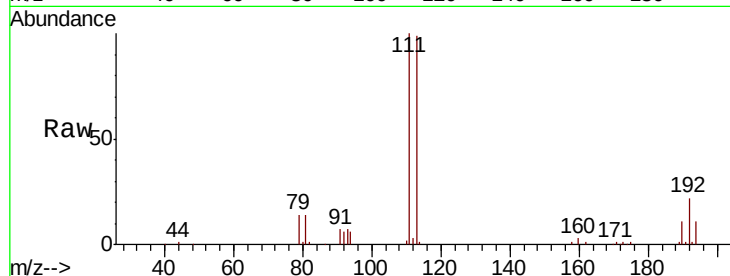
Tot Ion:113 Resp: 391925

Ion Ratio Lower Upper

113 100

111 102.4 83.0 124.6

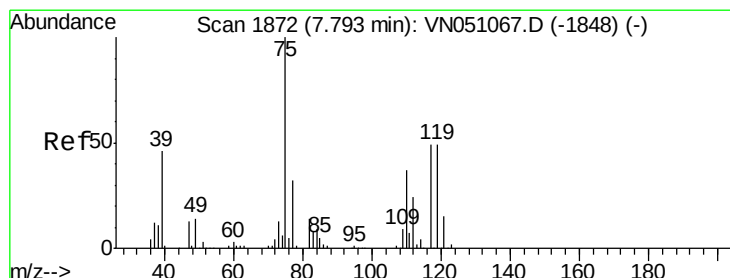
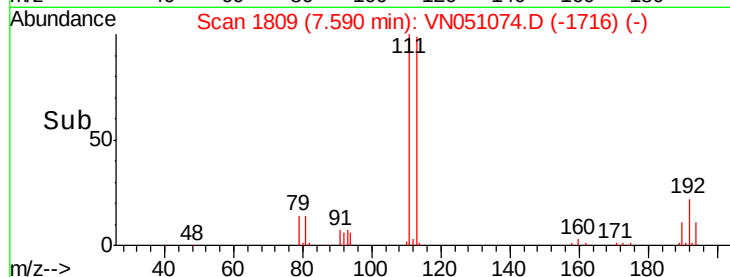
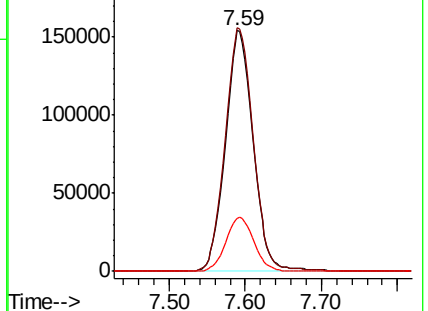
192 22.8 18.7 28.1



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: 3.80 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.13 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

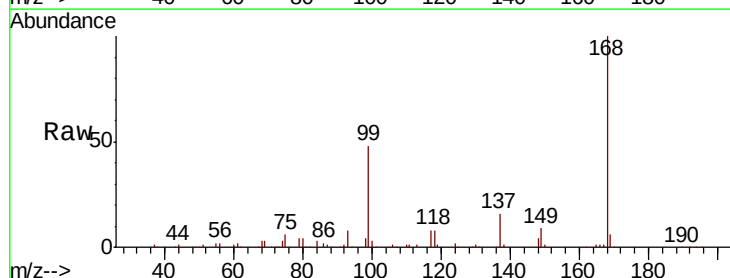
Tgt Ion: 75 Resp: 42417

Ion Ratio Lower Upper

75 100

110 8.5 18.6 55.8#

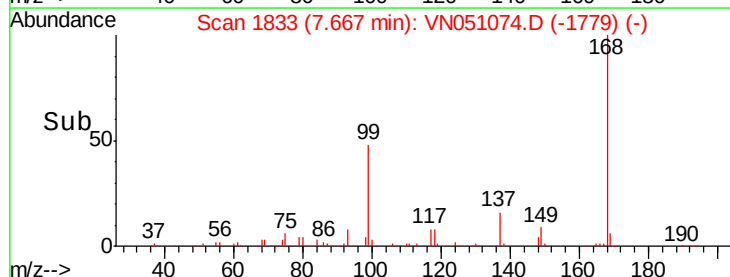
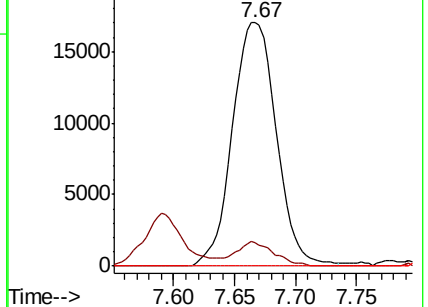
77 0.0 25.2 37.8#

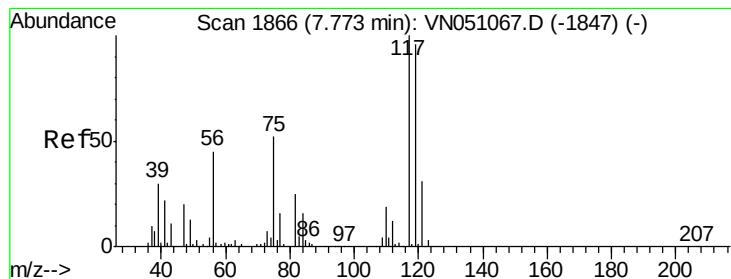


Abundance Ion 74.90 (74.60 to 75.60): V

Ion 109.90 (109.60 to 110.60): V

Ion 76.90 (76.60 to 77.60): V





#38

Carbon Tetrachloride

Concen: 5.19 ug/l

RT: 7.67 min Scan# 1833

Delta R.T. -0.11 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

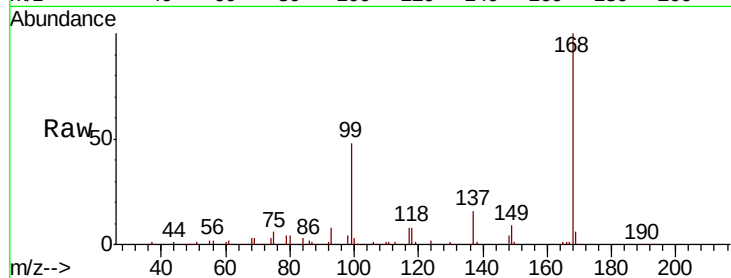
Tot Ion:117 Resp: 57051

Ion Ratio Lower Upper

117 100

119 6.5 76.8 115.2#

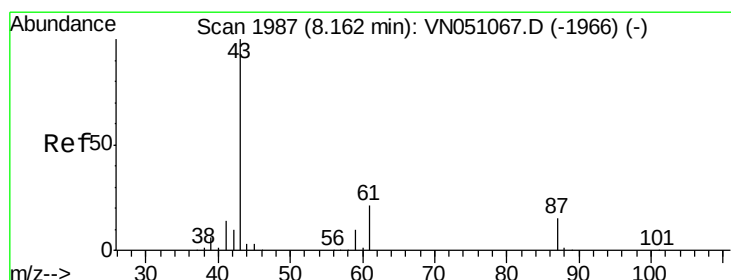
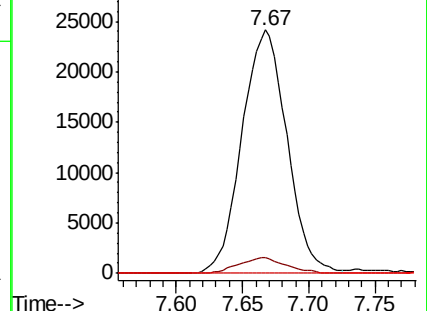
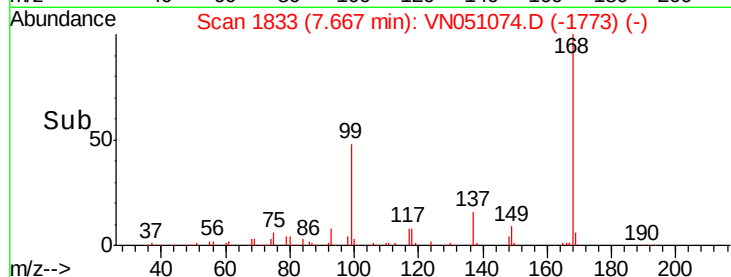
121 0.0 24.6 36.8#



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: 0.64 ug/l

RT: 8.29 min Scan# 2026

Delta R.T. 0.13 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

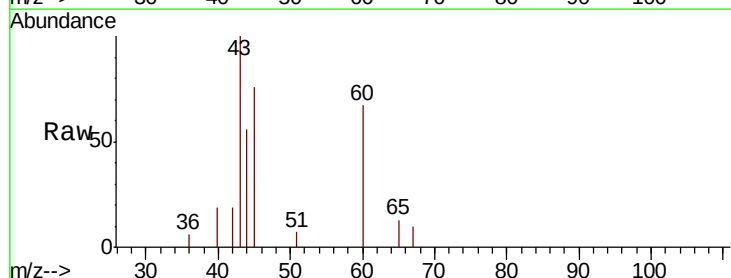
Tgt Ion: 43 Resp: 7288

Ion Ratio Lower Upper

43 100

61 0.0 25.0 37.6#

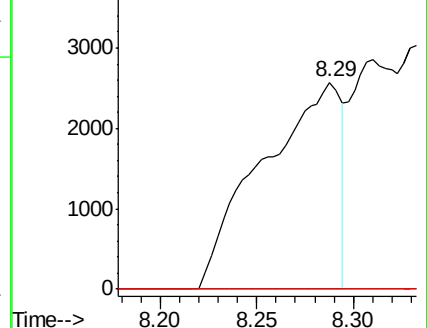
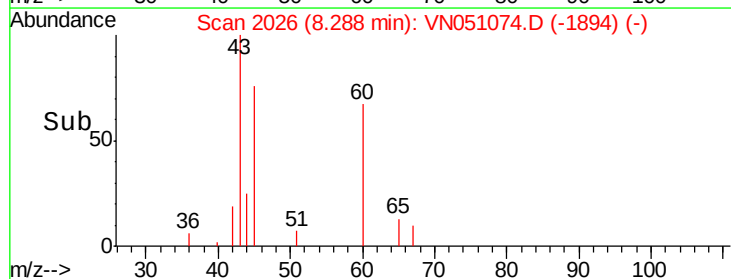
87 0.0 11.8 17.8#

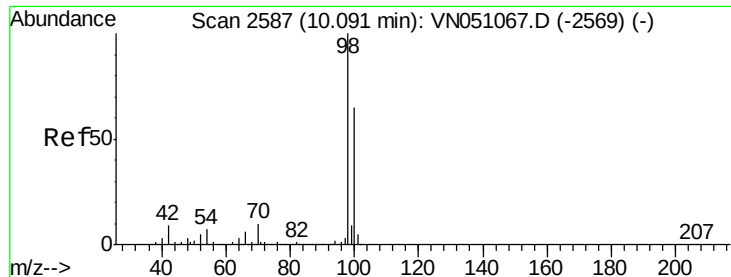


Abundance Ion 43.00 (42.70 to 43.70): V

Ion 61.00 (60.70 to 61.70): V

Ion 87.00 (86.70 to 87.70): V





#50

Toluene-d8

Concen: 49.32 ug/l

RT: 10.09 min Scan# 2587

Delta R.T. -0.00 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

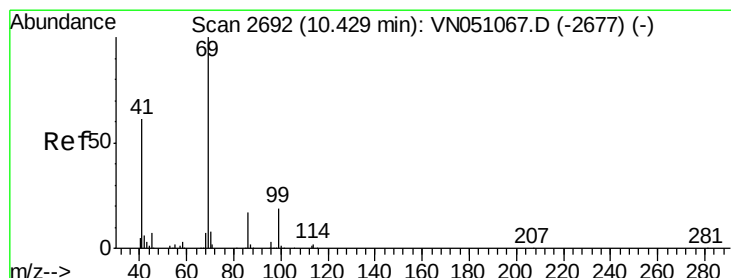
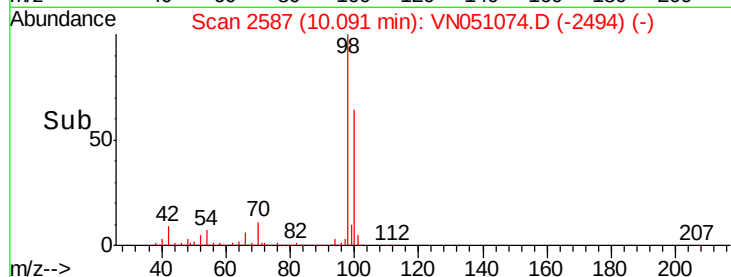
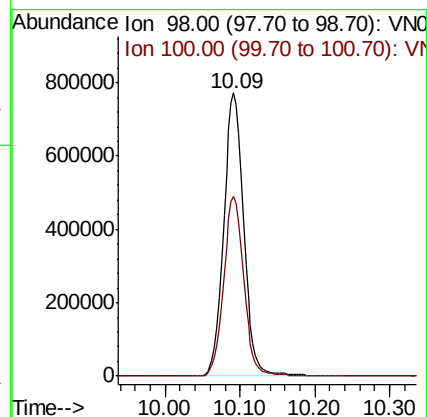
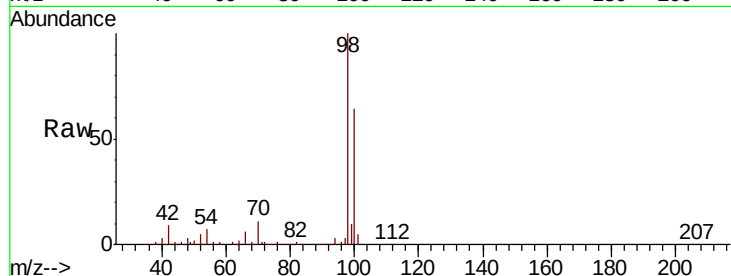
VN0910MBL01

Tot Ion: 98 Resp: 1430097

Ion Ratio Lower Upper

98 100

100 63.8 52.0 78.0



#56

Ethyl methacrylate

Concen: 2.46 ug/l

RT: 10.43 min Scan# 2692

Delta R.T. 0.00 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

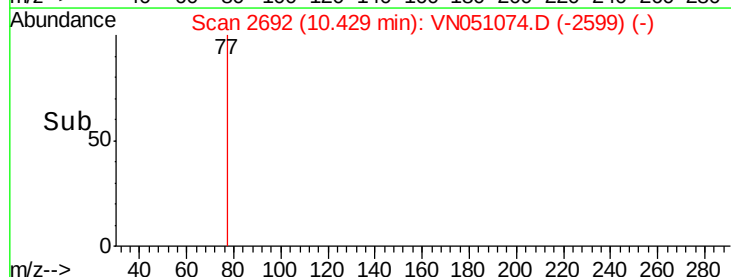
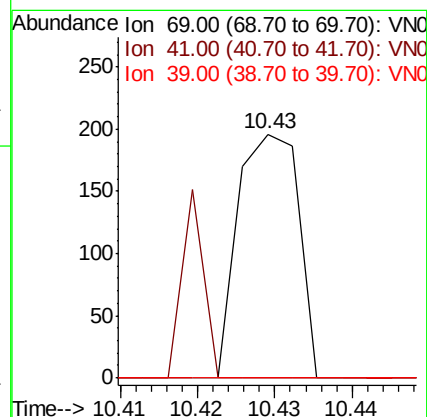
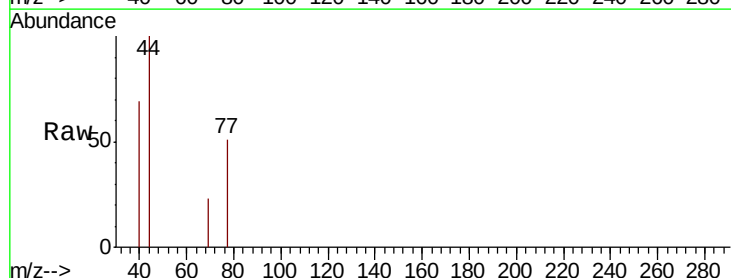
Tgt Ion: 69 Resp: 107

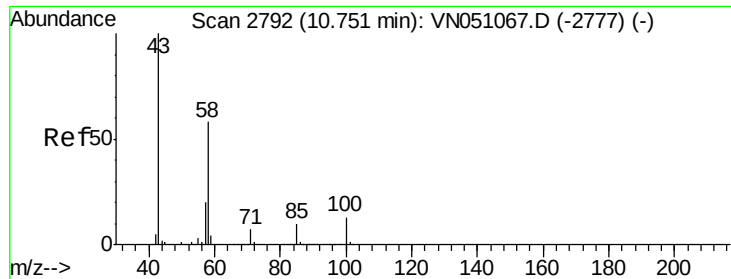
Ion Ratio Lower Upper

69 100

41 27.1 47.8 71.8#

39 0.0 23.0 34.4#

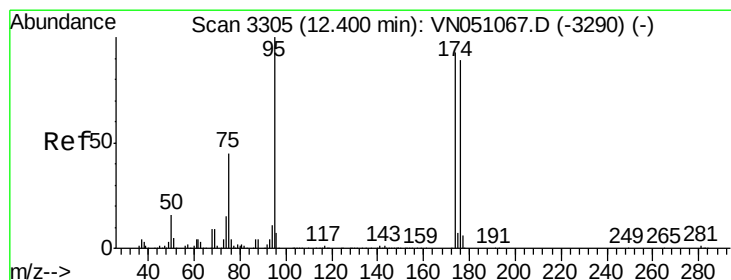
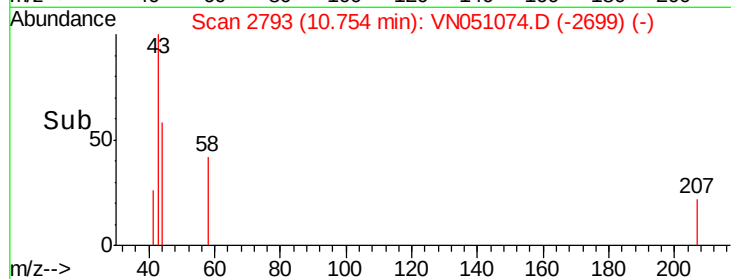
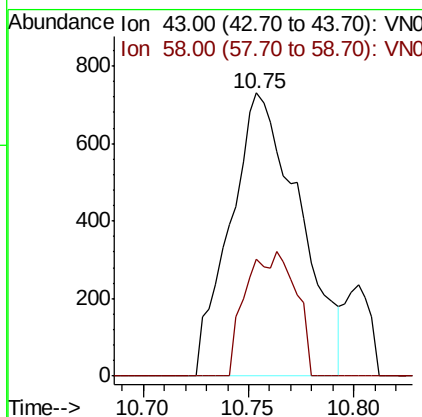
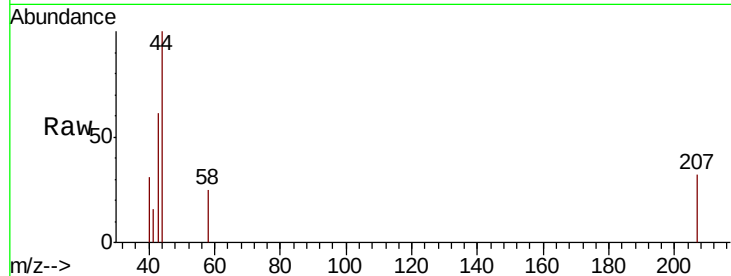




#59
2-Hexanone
Concen: 0.39 ug/l
RT: 10.75 min Scan# 2793
Delta R.T. 0.00 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

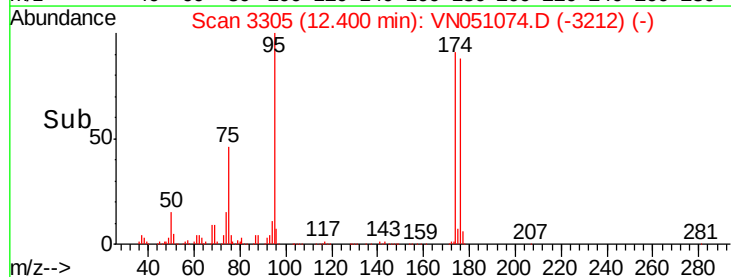
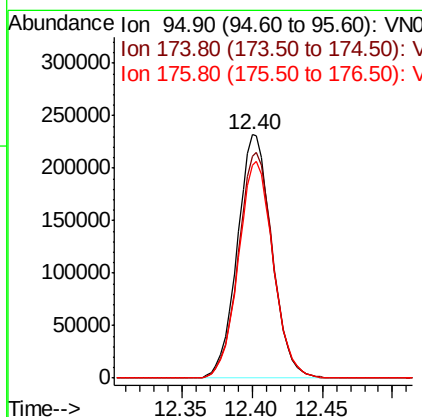
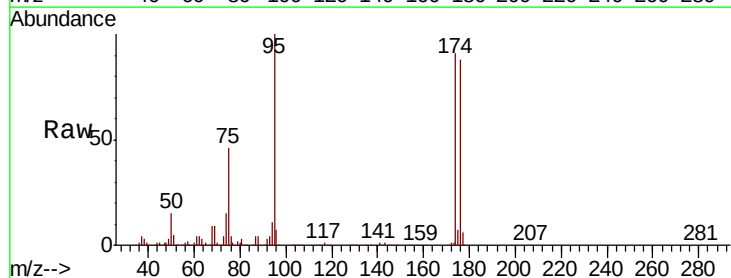
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

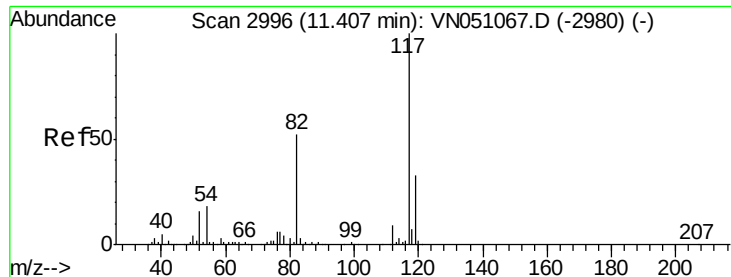
Tot Ion: 43 Resp: 1669
Ion Ratio Lower Upper
43 100
58 31.6 29.3 88.0



#62
4-Bromofluorobenzene
Concen: 41.39 ug/l
RT: 12.40 min Scan# 3305
Delta R.T. -0.00 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

Tgt Ion: 95 Resp: 397015
Ion Ratio Lower Upper
95 100
174 93.4 0.0 184.8
176 89.8 0.0 178.6

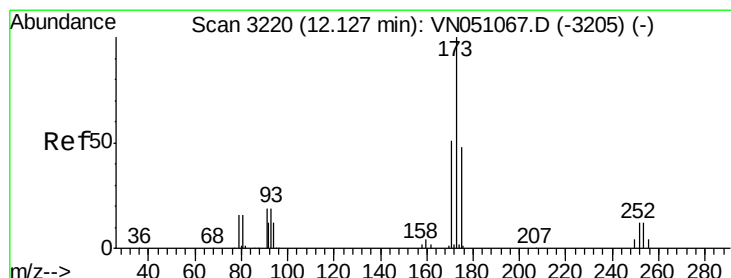
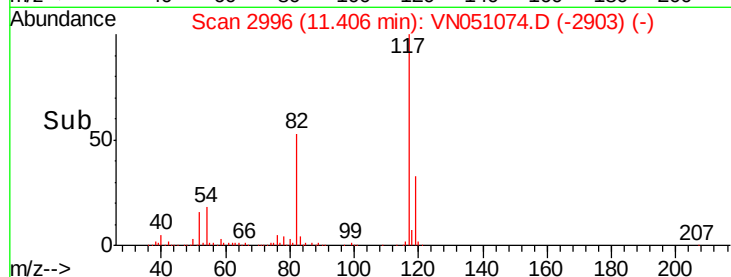
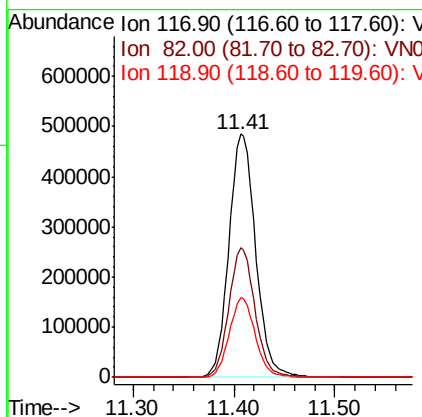
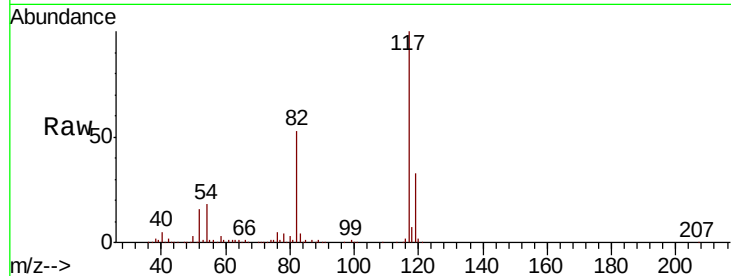




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 2996
Delta R.T. -0.00 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

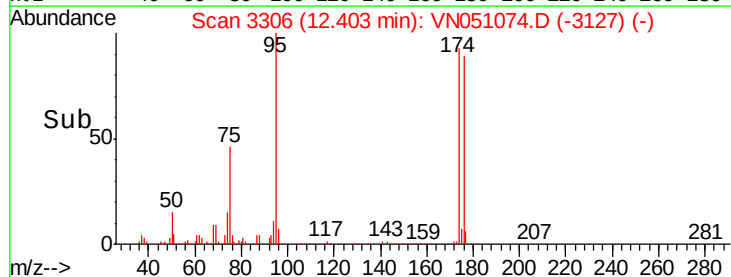
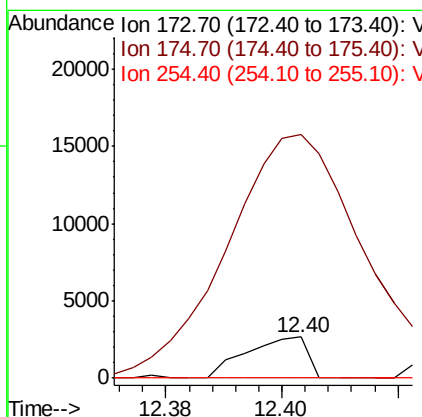
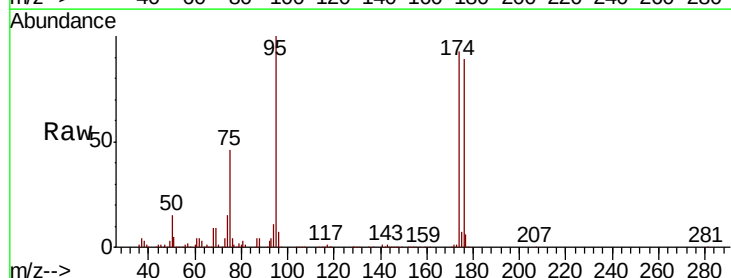
Instrument :
MSVOA_N
ClientSampleId :
VN0910MBL01

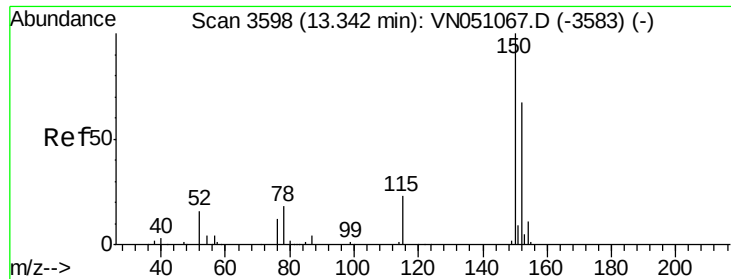
Tot Ion:117 Resp: 895900
Ion Ratio Lower Upper
117 100
82 53.1 41.8 62.6
119 32.6 26.2 39.2



#71
Bromoform
Concen: 0.34 ug/l
RT: 12.40 min Scan# 3306
Delta R.T. 0.28 min
Lab File: VN051074.D
Acq: 10 Sep 2018 13:33

Tgt Ion:173 Resp: 1948
Ion Ratio Lower Upper
173 100
175 1135.8 24.3 72.9#
254 0.0 0.0 0.0





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3599

Delta R.T. 0.00 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

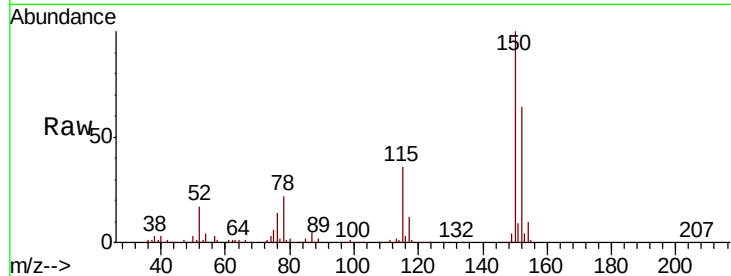
Tot Ion:152 Resp: 303142

Ion Ratio Lower Upper

152 100

115 56.3 28.2 84.7

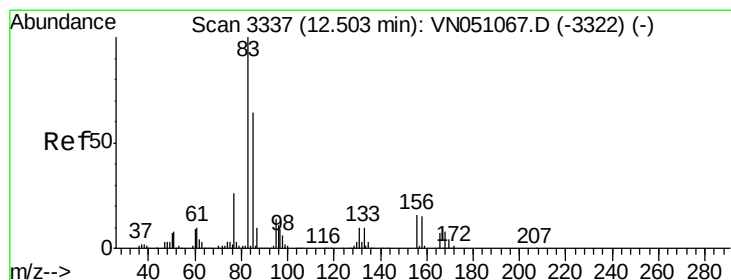
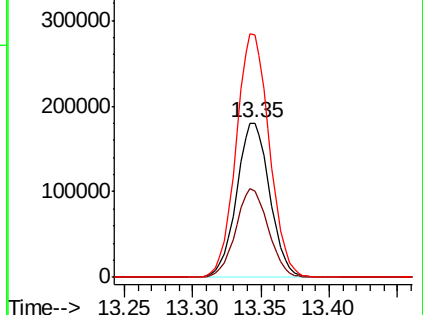
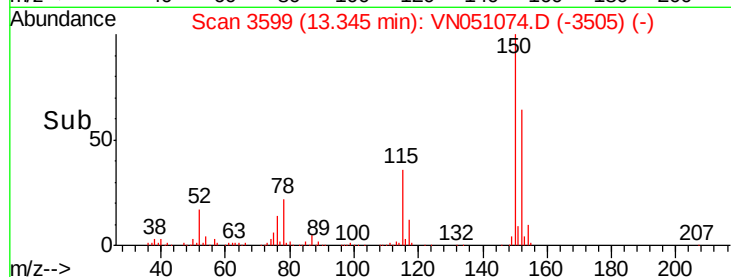
150 158.6 0.0 349.0



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: 12.50 min Scan# 3335

Delta R.T. -0.01 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

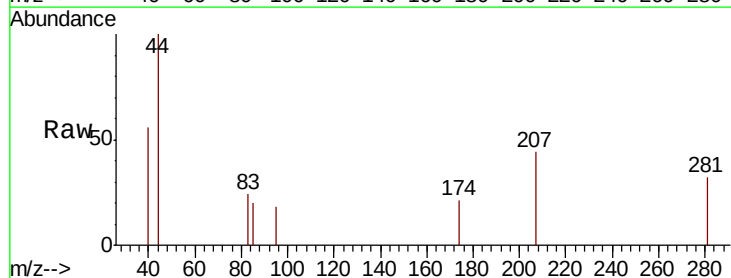
Tgt Ion: 83 Resp: 176

Ion Ratio Lower Upper

83 100

131 0.0 5.3 16.1#

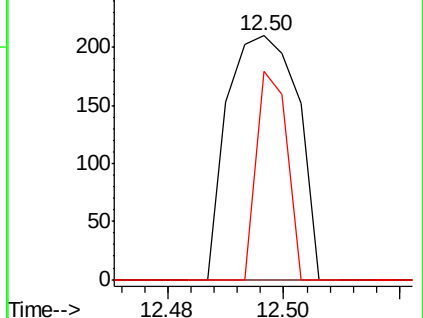
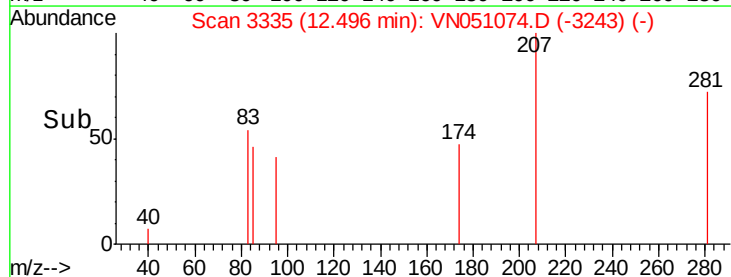
85 36.9 32.3 96.8

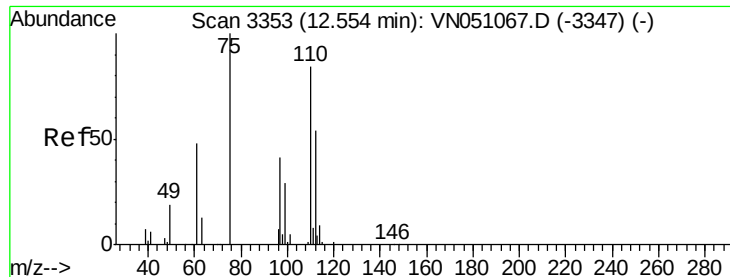


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 38.40 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. -0.15 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

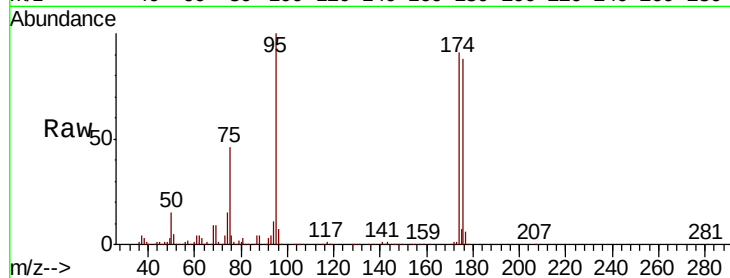
VN0910MBL01

Tot Ion: 75 Resp: 182100

Ion Ratio Lower Upper

75 100

77 1.3 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

120000

100000

80000

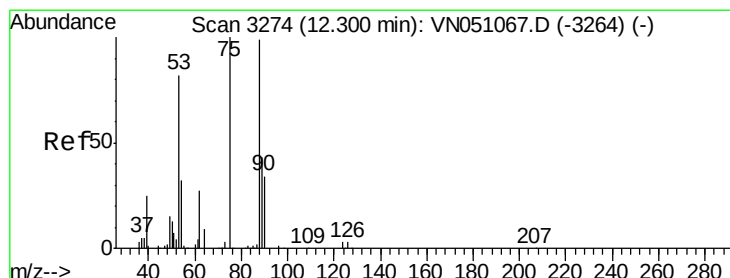
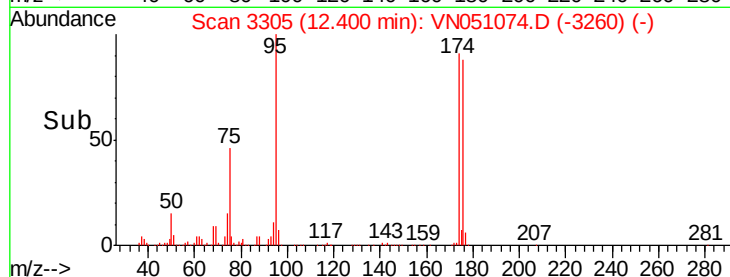
60000

40000

20000

0

Time--> 12.30 12.40 12.50



#81

trans-1,4-Dichloro-2-butene

Concen: 114.08 ug/l

RT: 12.40 min Scan# 3305

Delta R.T. 0.10 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

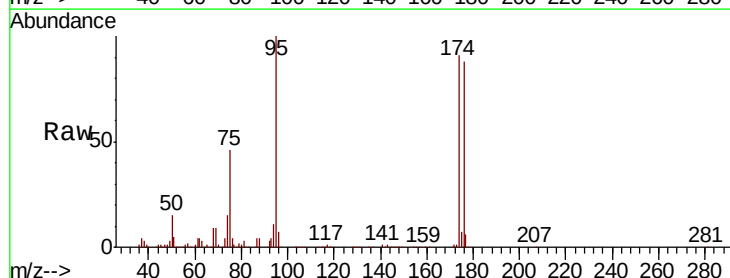
Tgt Ion: 75 Resp: 182100

Ion Ratio Lower Upper

75 100

53 0.1 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

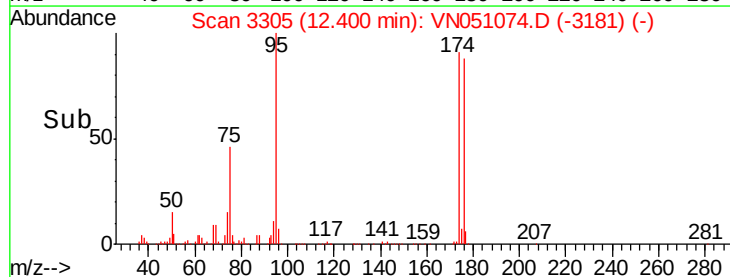
12.40

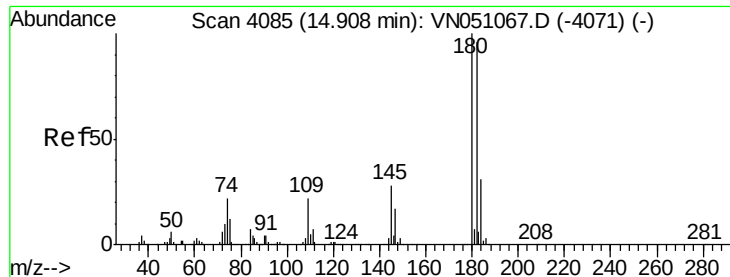
100000

50000

0

Time--> 12.30 12.40 12.50

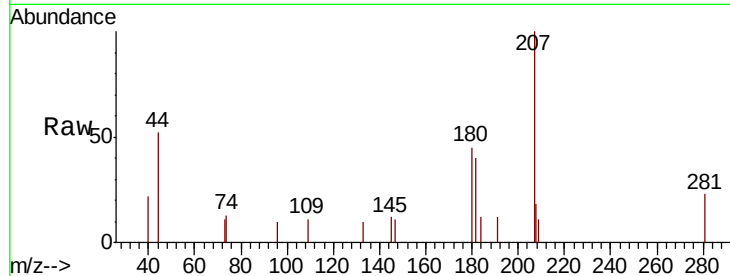




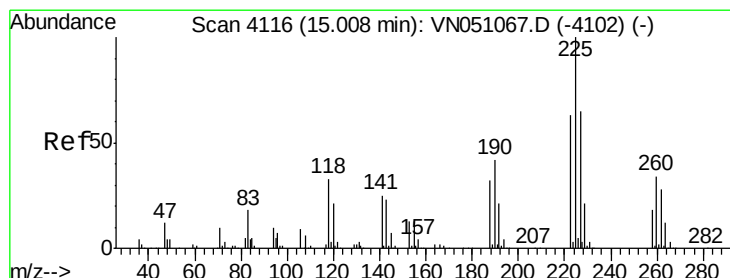
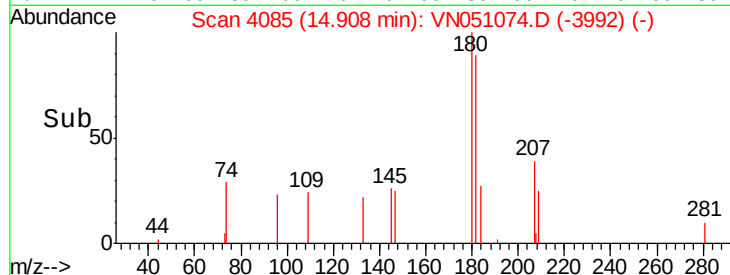
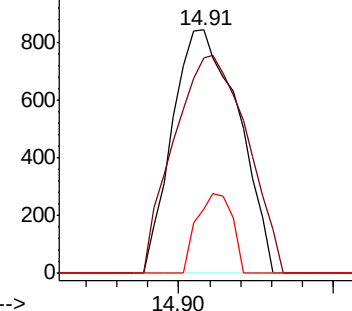
#93
 1,2,4-Trichlorobenzene
 Concen: 4.19 ug/l
 RT: 14.91 min Scan# 4085
 Delta R.T. -0.00 min
 Lab File: VN051074.D
 Acq: 10 Sep 2018 13:33

Instrument :
 MSVOA_N
 ClientSampleId :
 VN0910MBL01

Tot Ion:180 Resp: 1256
 Ion Ratio Lower Upper
 180 100
 182 99.1 47.3 141.8
 145 17.4 14.2 42.6

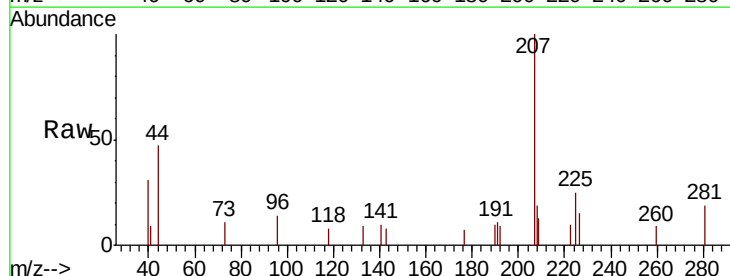


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

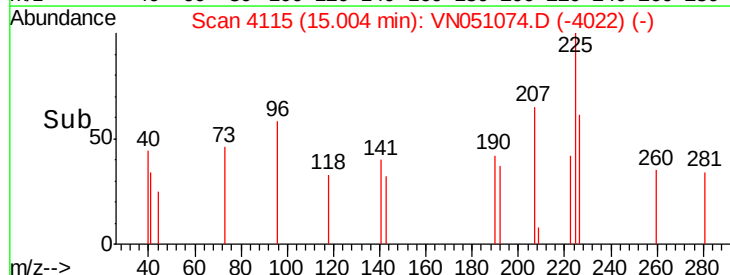
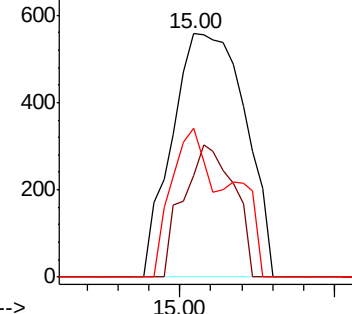


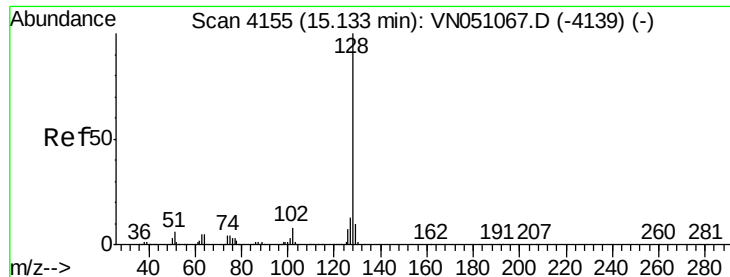
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.00 min Scan# 4115
 Delta R.T. -0.00 min
 Lab File: VN051074.D
 Acq: 10 Sep 2018 13:33

Tgt Ion:225 Resp: 918
 Ion Ratio Lower Upper
 225 100
 223 37.6 31.4 94.0
 227 35.7 32.1 96.3



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: 5.59 ug/l

RT: 15.13 min Scan# 4154

Delta R.T. -0.00 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

Instrument :

MSVOA_N

ClientSampleId :

VN0910MBL01

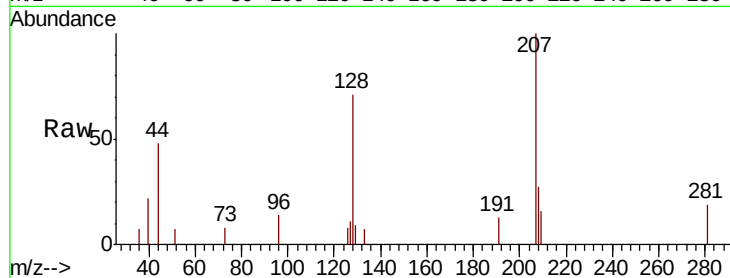
Tot Ion:128 Resp: 3130

Ion Ratio Lower Upper

128 100

127 10.6 10.6 15.8

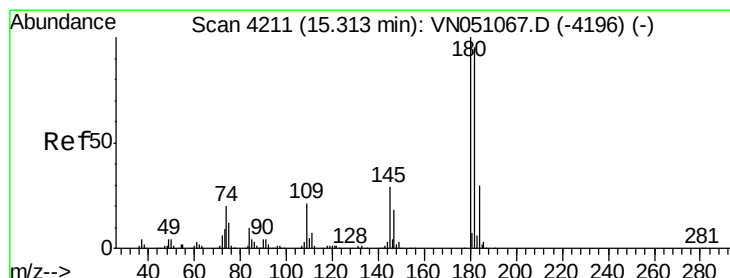
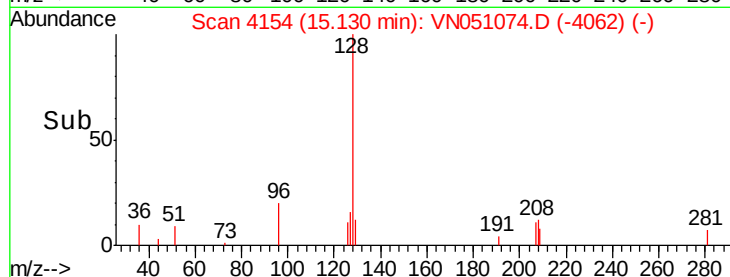
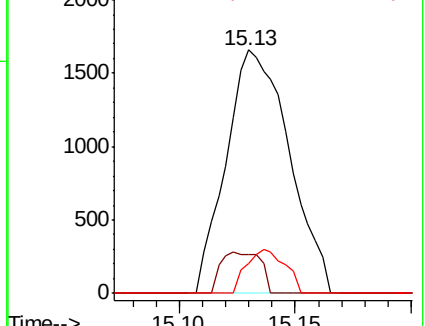
129 10.9 8.6 12.8



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 3.19 ug/l

RT: 15.31 min Scan# 4210

Delta R.T. -0.00 min

Lab File: VN051074.D

Acq: 10 Sep 2018 13:33

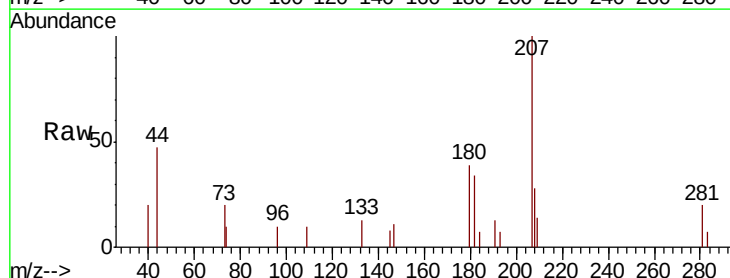
Tgt Ion:180 Resp: 1324

Ion Ratio Lower Upper

180 100

182 104.7 47.8 143.3

145 18.9 14.6 43.8



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

