

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
 Data File : VN050222.D
 Acq On : 31 Jul 2018 18:11
 Operator : MD\SY
 Sample : J3825-18
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-073018-D

Quant Time: Aug 01 03:57:32 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N072418W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jul 26 18:10:10 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	655576	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1094987	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	926468	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	359137	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	468092	51.18	ug/l	0.00
Spiked Amount			Recovery	=	102.36%	
35) Dibromofluoromethane	7.59	113	414644	46.38	ug/l	0.00
Spiked Amount			Recovery	=	92.76%	
50) Toluene-d8	10.09	98	1479306	45.01	ug/l	0.00
Spiked Amount			Recovery	=	90.02%	
62) 4-Bromofluorobenzene	12.40	95	416956	38.53	ug/l	0.00
Spiked Amount			Recovery	=	77.06%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	845	Below Cal	#	72
16) Acetone	3.83	43	21559	5.76	ug/l	93
18) Methyl Acetate	4.33	43	24476	1.33	ug/l	91
20) Methylene Chloride	4.55	84	35111	3.15	ug/l	96
25) 2-Butanone	6.86	43	4568	1.31	ug/l	91
28) Bromochloromethane	7.37	49	1595	0.23	ug/l	# 10
29) Tetrahydrofuran	7.22	42	1797	0.80	ug/l	# 52
30) Chloroform	7.38	83	21901	1.41	ug/l	98
31) Cyclohexane	7.67	56	12424	0.92	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	46453	3.77	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	60358	4.61	ug/l	# 17
41) Methacrylonitrile	7.22	41	629	2.88	ug/l	# 25
43) Isopropyl Acetate	8.17	43	332143	19.80	ug/l	93
47) Bromodichloromethane	9.41	83	4558	0.35	ug/l	93
48) Methyl methacrylate	9.18	41	10323	1.39	ug/l	# 21
51) 4-Methyl-2-Pentanone	9.99	43	1750	0.21	ug/l	89
56) Ethyl methacrylate	10.23	69	3081	2.28	ug/l	# 61
59) 2-Hexanone	10.77	43	18660	8.12	ug/l	# 61
67) Ethyl Benzene	11.51	91	13382	0.36	ug/l	99
68) m/p-Xylenes	11.62	106	14563	1.02	ug/l	97
69) o-Xylene	11.95	106	4749	0.35	ug/l	91
70) Styrene	11.97	104	267	0.93	ug/l	# 25
71) Bromoform	12.40	173	3894	0.60	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.40	83	230	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.40	75	203512	30.49	ug/l	# 100
78) n-propylbenzene	12.59	91	8283	0.27	ug/l	97
80) 1,3,5-Trimethylbenzene	12.73	105	12906	0.59	ug/l	97
81) trans-1,4-Dichloro-2-buten	12.40	75	203512	96.72	ug/l	# 13
83) tert-Butylbenzene	13.05	119	5644	0.30	ug/l	# 73
84) 1,2,4-Trimethylbenzene	13.04	105	37363	1.69	ug/l	100
85) sec-Butylbenzene	13.04	105	37363	1.46	ug/l	# 56
90) Hexachloroethane	13.90	117	1097	0.23	ug/l	# 4
92) 1,2-Dibromo-3-Chloropropan	14.49	75	30	Below Cal	#	1
93) 1,2,4-Trichlorobenzene	14.92	180	62	3.09	ug/l	# 15

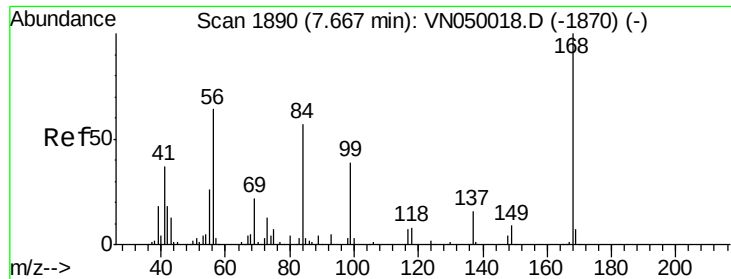
Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN073118\
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QLast Update : Thu Jul 26 18:10:10 2018
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
95) Naphthalene	15.13	128	16395	5.33	ug/l	99

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



#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1891

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

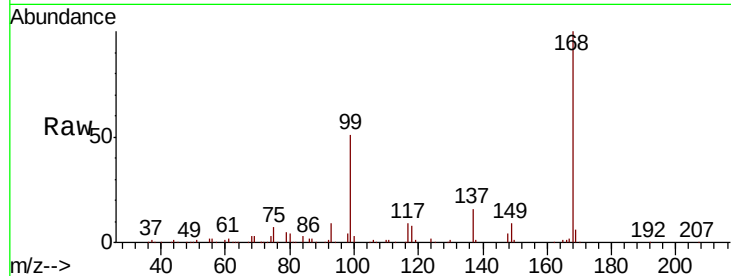
CL-01-073018-D

Tot Ion:168 Resp: 655576

Ion Ratio Lower Upper

168 100

99 51.0 40.0 60.0



Abundance Ion 167.90 (167.60 to 168.60): VN050018.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN050018.D (-1870) (-)

7.67

250000

200000

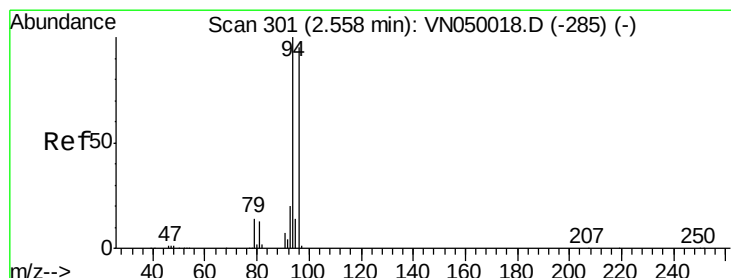
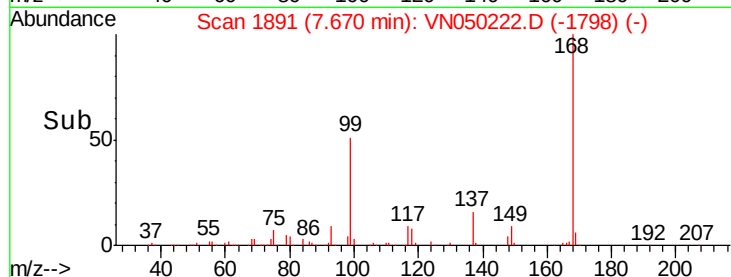
150000

100000

50000

0

Time-->



#5

Bromomethane

Concen: Below Cal

RT: 2.56 min Scan# 303

Delta R.T. 0.01 min

Lab File: VN050222.D

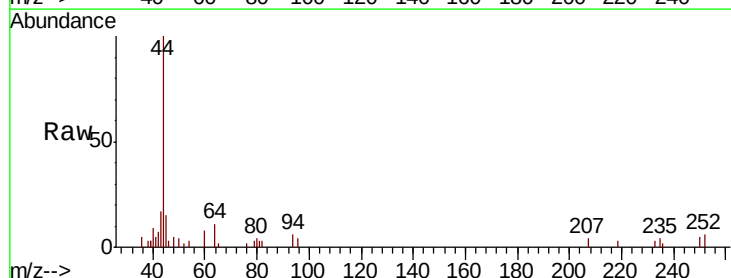
Acq: 31 Jul 2018 18:11

Tgt Ion: 94 Resp: 845

Ion Ratio Lower Upper

94 100

96 66.4 74.6 112.0#



Abundance Ion 93.90 (93.60 to 94.60): VN050018.D (-285) (-)

Ion 95.90 (95.60 to 96.60): VN050018.D (-285) (-)

2.56

500

400

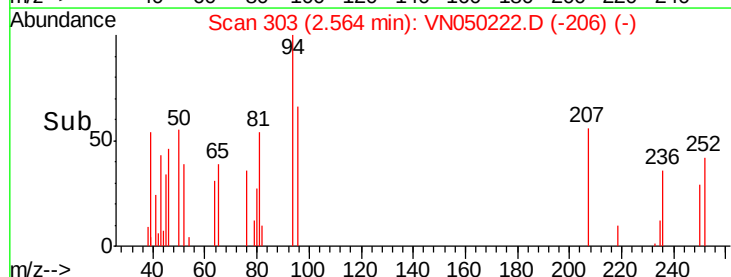
300

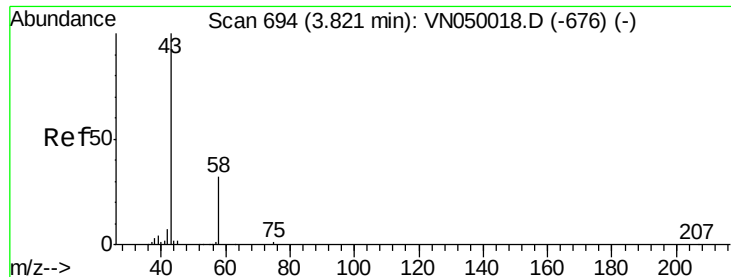
200

100

0

Time-->





#16

Acetone

Concen: 5.76 ug/l

RT: 3.83 min Scan# 696

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

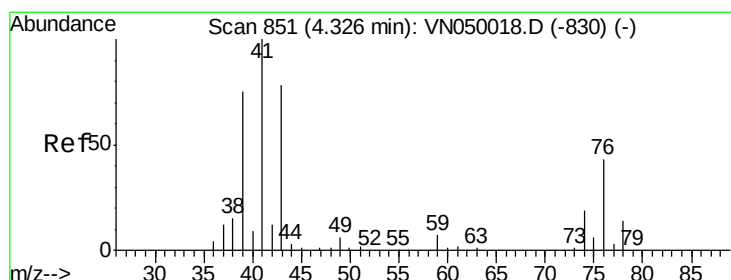
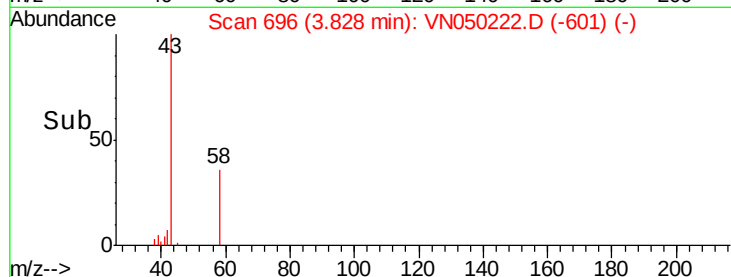
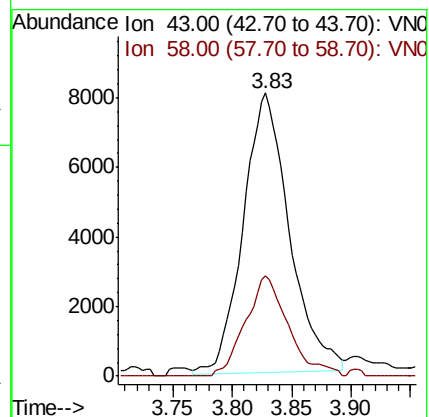
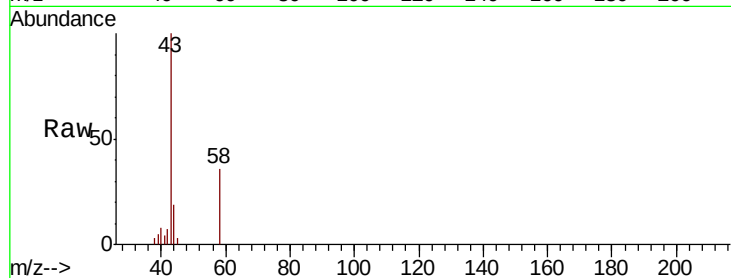
CL-01-073018-D

Tot Ion: 43 Resp: 21559

Ion Ratio Lower Upper

43 100

58 36.3 25.8 38.8



#18

Methyl Acetate

Concen: 1.33 ug/l

RT: 4.33 min Scan# 853

Delta R.T. 0.00 min

Lab File: VN050222.D

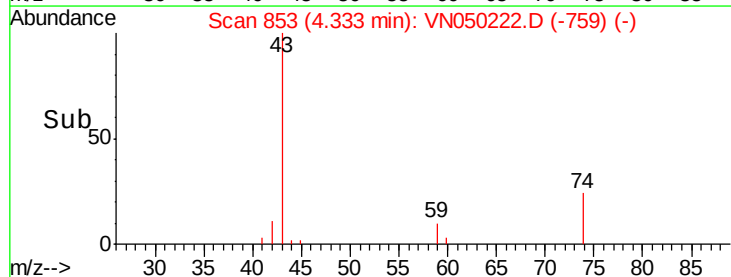
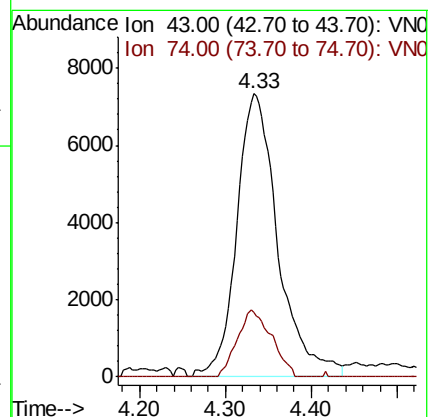
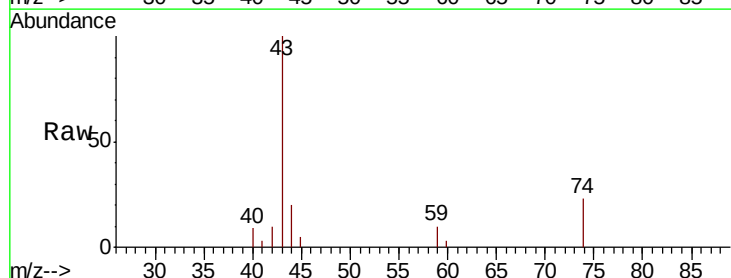
Acq: 31 Jul 2018 18:11

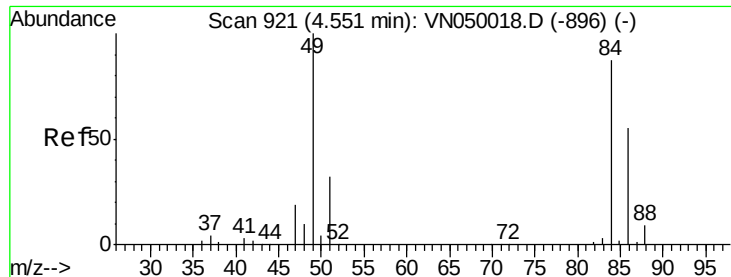
Tgt Ion: 43 Resp: 24476

Ion Ratio Lower Upper

43 100

74 19.6 19.2 28.8

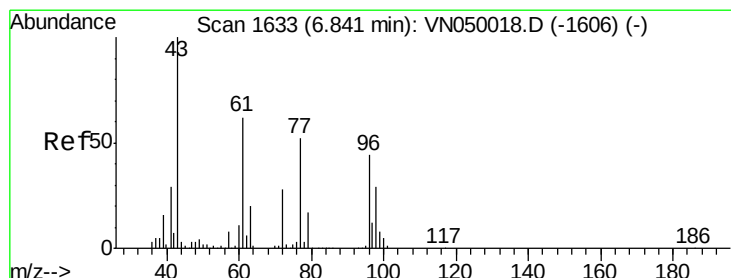
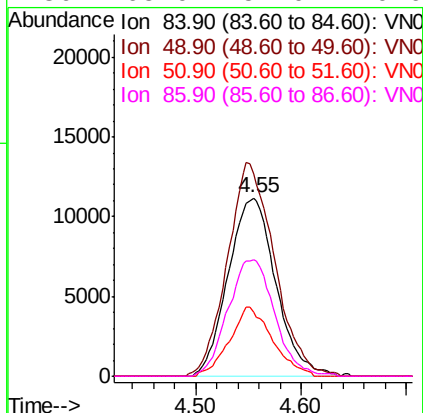
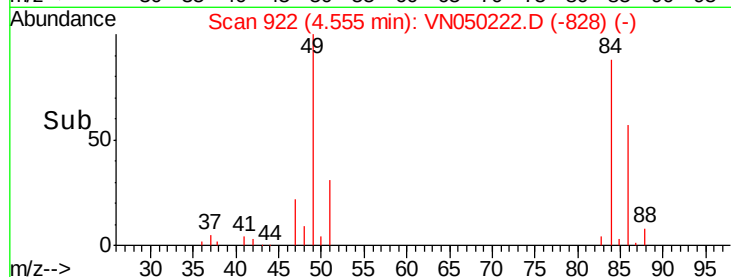
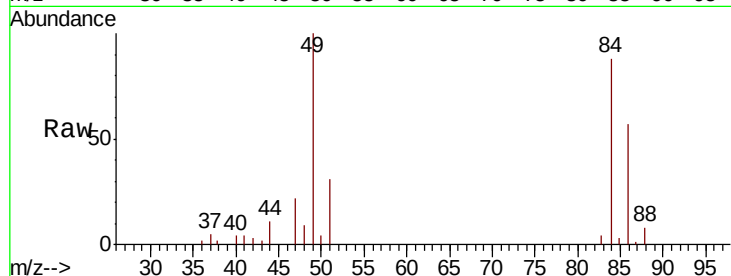




#20
Methvlene Chloride
Concen: 3.15 ug/l
RT: 4.55 min Scan# 922
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

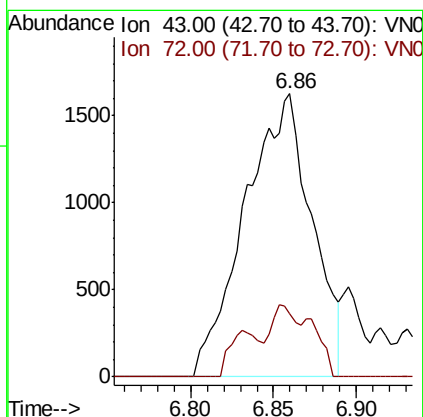
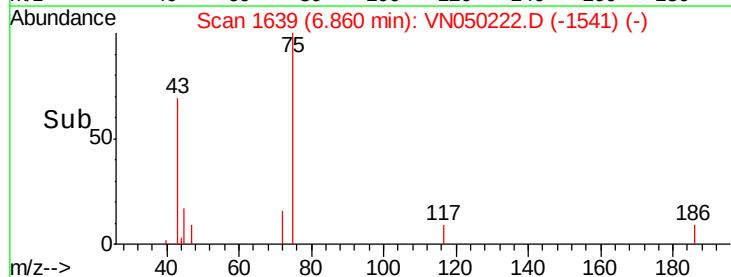
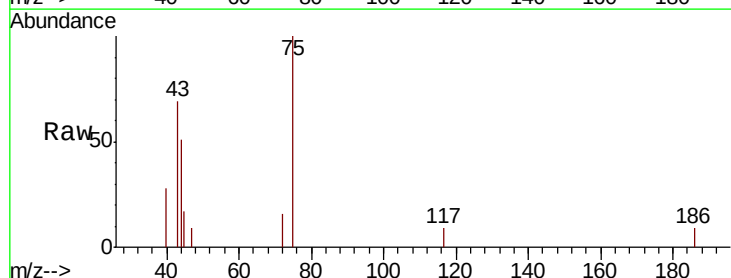
Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

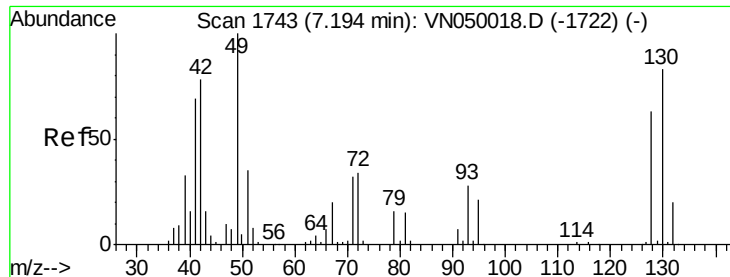
Tot Ion: 84 Resp: 35111
Ion Ratio Lower Upper
84 100
49 111.9 94.8 142.2
51 35.6 28.3 42.5
86 65.0 51.0 76.6



#25
2-Butanone
Concen: 1.31 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion: 43 Resp: 4568
Ion Ratio Lower Upper
43 100
72 22.4 21.5 32.3





#28

Bromochloromethane

Concen: 0.23 ug/l

RT: 7.37 min Scan# 1799

Delta R.T. 0.18 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

CL-01-073018-D

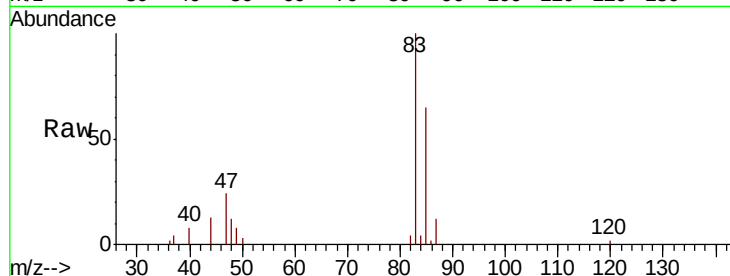
Tot Ion: 49 Resp: 1595

Ion Ratio Lower Upper

49 100

129 0.0 0.0 4.0

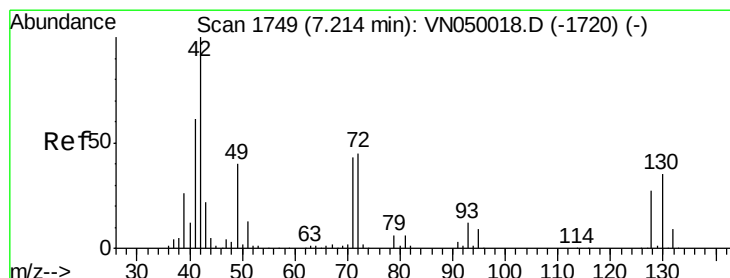
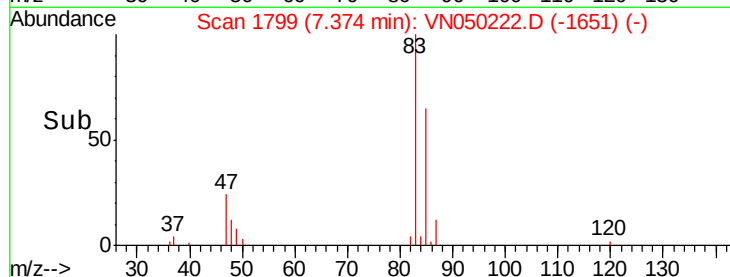
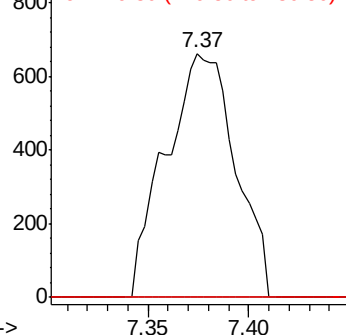
130 0.0 66.3 99.5#



Abundance Ion 48.90 (48.60 to 49.60): VN0

Ion 128.80 (128.50 to 129.50): VN

Ion 129.80 (129.50 to 130.50): VN



#29

Tetrahydrofuran

Concen: 0.80 ug/l

RT: 7.22 min Scan# 1752

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

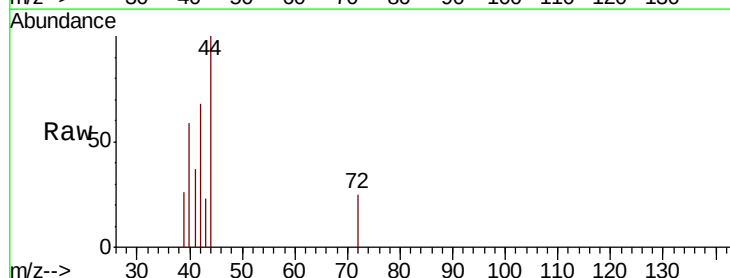
Tgt Ion: 42 Resp: 1797

Ion Ratio Lower Upper

42 100

72 22.0 35.9 53.9#

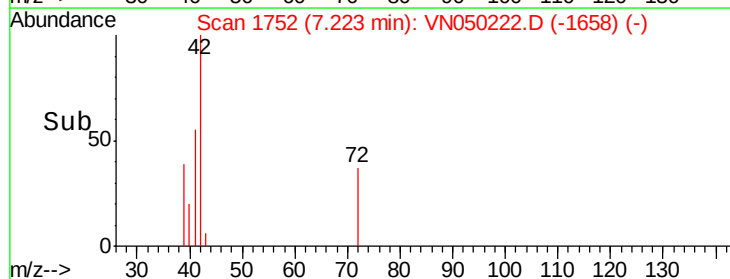
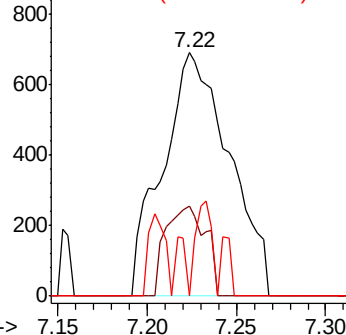
71 3.6 33.7 50.5#

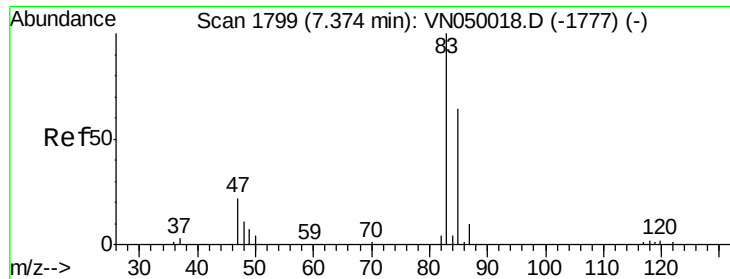


Abundance Ion 42.00 (41.70 to 42.70): VN0

Ion 72.00 (71.70 to 72.70): VN0

Ion 71.00 (70.70 to 71.70): VN0





#30

Chloroform

Concen: 1.41 ug/l

RT: 7.38 min Scan# 1800

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

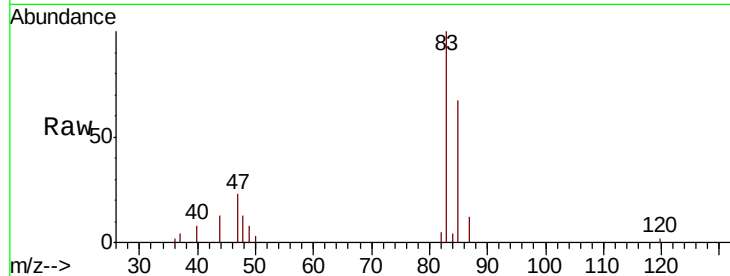
CL-01-073018-D

Tot Ion: 83 Resp: 21901

Ion Ratio Lower Upper

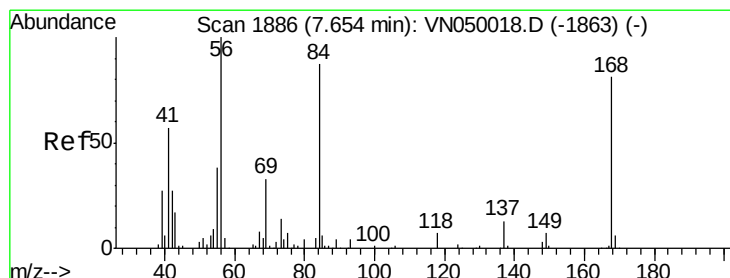
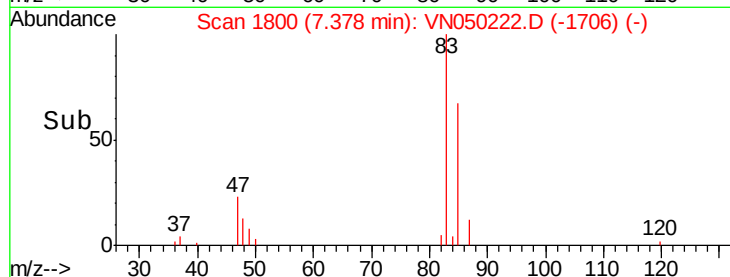
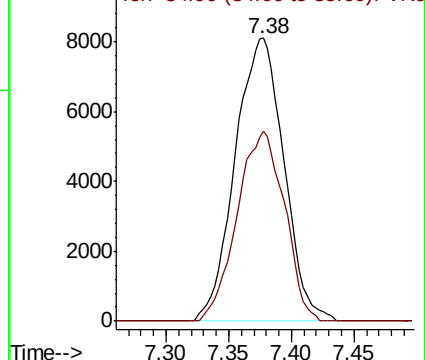
83 100

85 67.3 52.5 78.7



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 84.90 (84.60 to 85.60): VN0



#31

Cyclohexane

Concen: 0.92 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

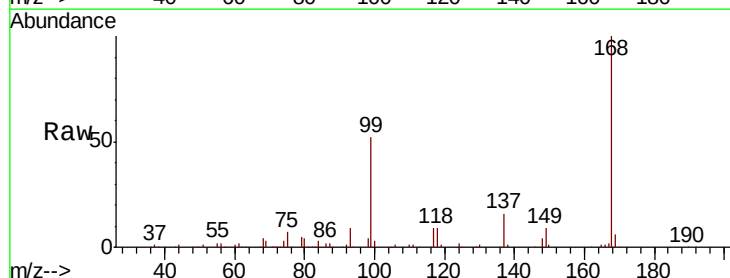
Tgt Ion: 56 Resp: 12424

Ion Ratio Lower Upper

56 100

69 165.0 26.2 39.4#

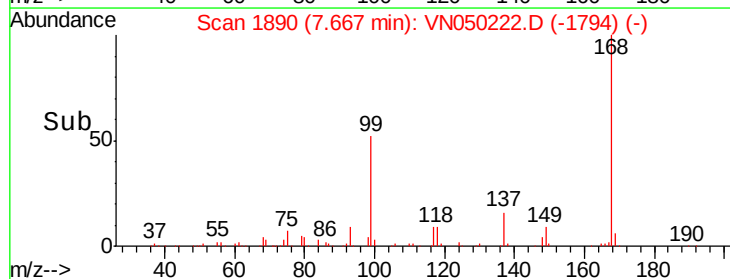
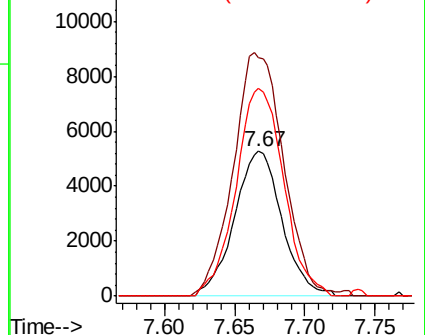
84 143.8 67.4 101.0#

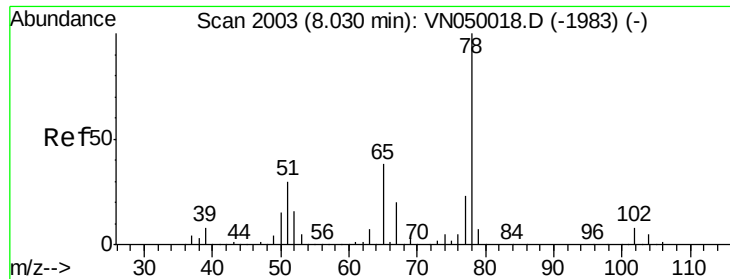


Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 69.00 (68.70 to 69.70): VN0

Ion 84.00 (83.70 to 84.70): VN0





#33

1,2-Dichloroethane-d4

Concen: 51.18 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

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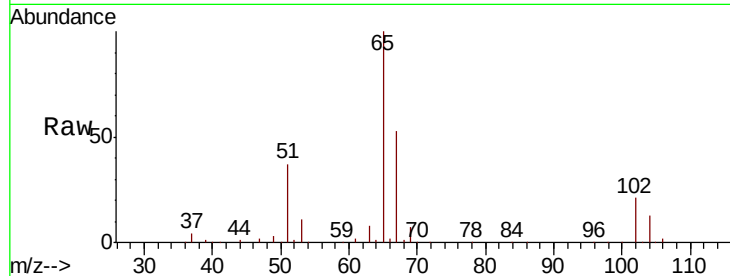
CL-01-073018-D

Tot Ion: 65 Resp: 468092

Ion Ratio Lower Upper

65 100

67 53.3 0.0 108.4



Abundance Ion 64.90 (64.60 to 65.60): VN0

Ion 66.90 (66.60 to 67.60): VN0

8.03

200000

150000

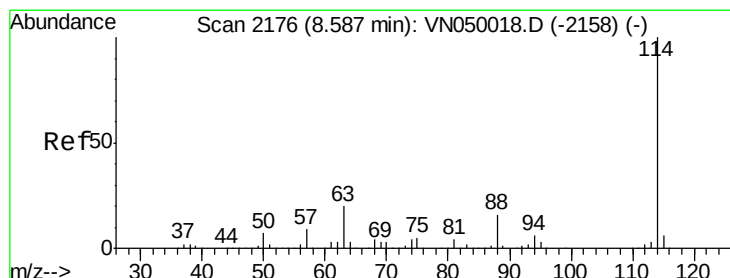
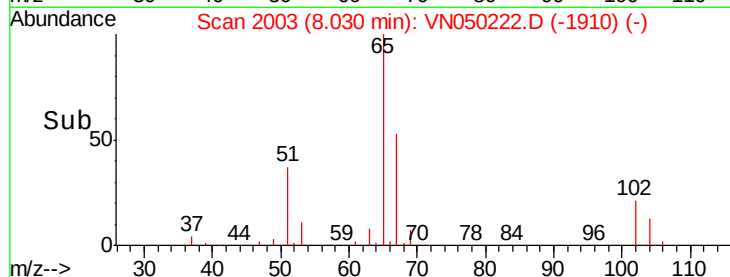
100000

50000

0

7.90 8.00 8.10

Time-->



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

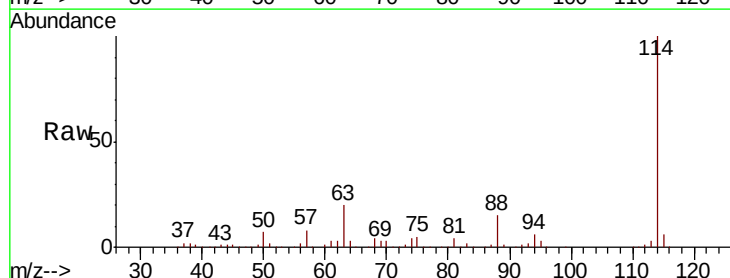
Tgt Ion: 114 Resp: 1094987

Ion Ratio Lower Upper

114 100

63 20.1 0.0 40.0

88 15.0 0.0 31.2



Abundance Ion 113.90 (113.60 to 114.60): V

Ion 63.00 (62.70 to 63.70): VN0

Ion 87.90 (87.60 to 88.60): VN0

8.59

600000

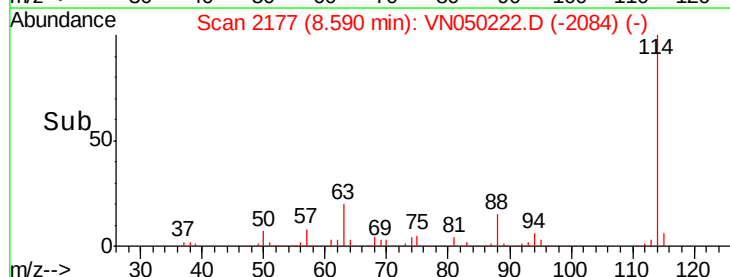
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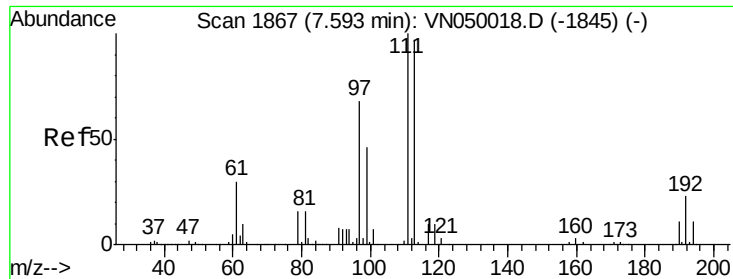
200000

0

8.50 8.60 8.70

Time-->

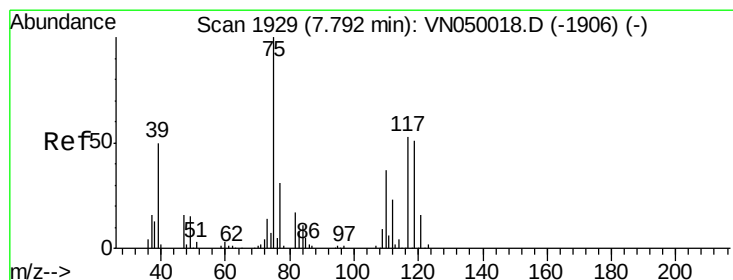
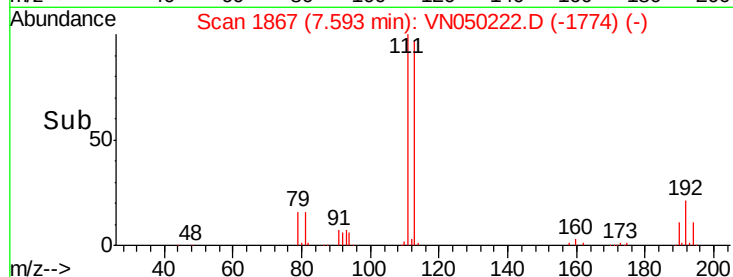
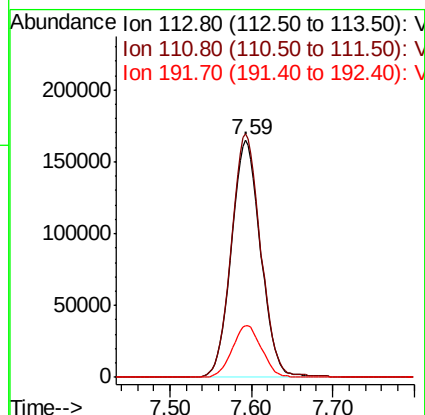
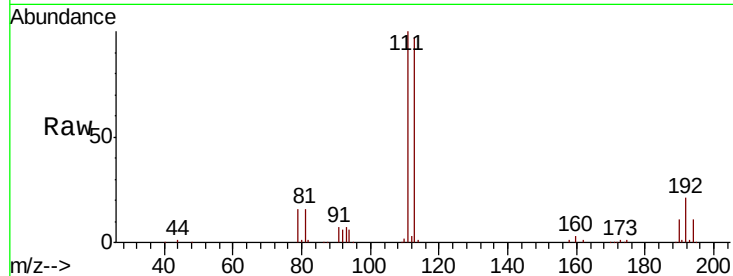




#35
 Dibromofluoromethane
 Concen: 46.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN050222.D
 Acq: 31 Jul 2018 18:11

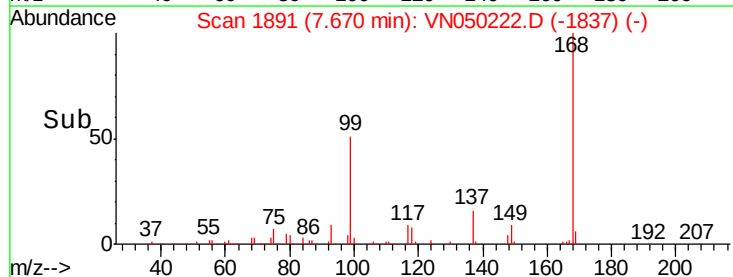
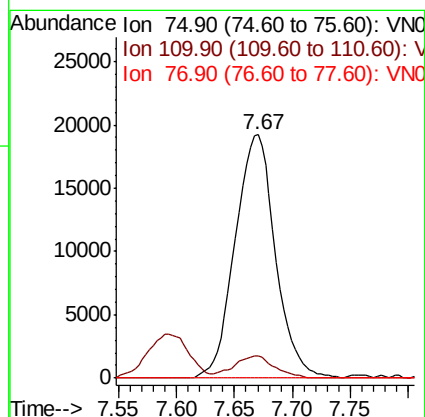
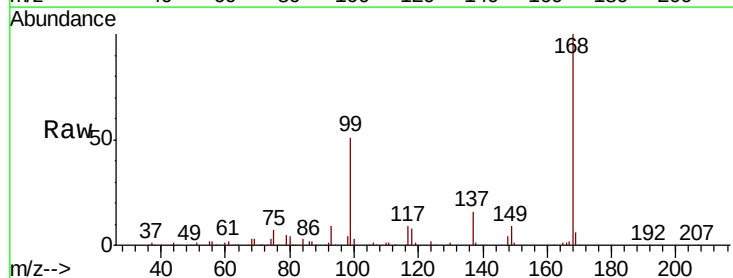
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-073018-D

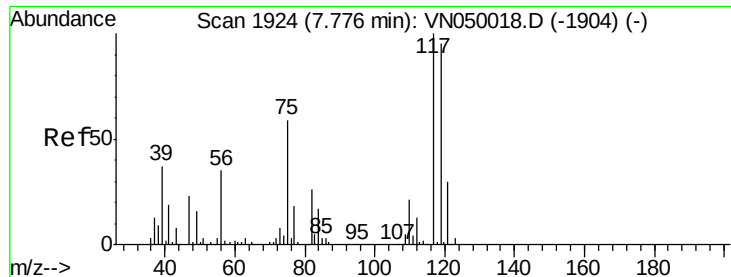
Tot Ion:113 Resp: 414644
 Ion Ratio Lower Upper
 113 100
 111 102.7 80.7 121.1
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.77 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.13 min
 Lab File: VN050222.D
 Acq: 31 Jul 2018 18:11

Tgt Ion: 75 Resp: 46453
 Ion Ratio Lower Upper
 75 100
 110 9.1 18.4 55.2#
 77 0.0 25.3 37.9#

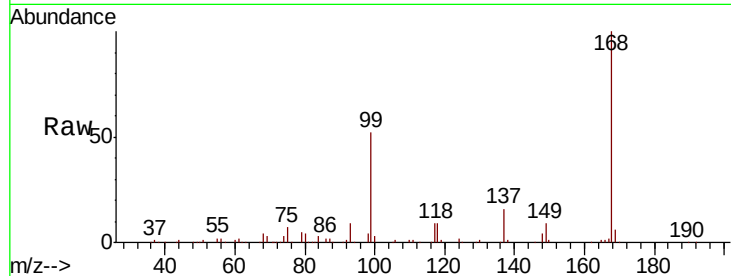




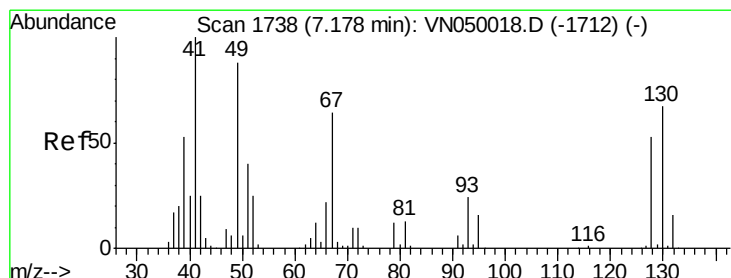
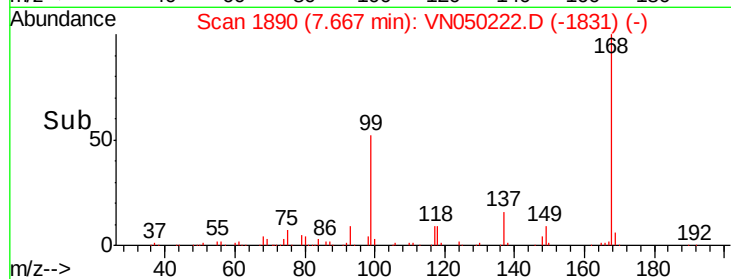
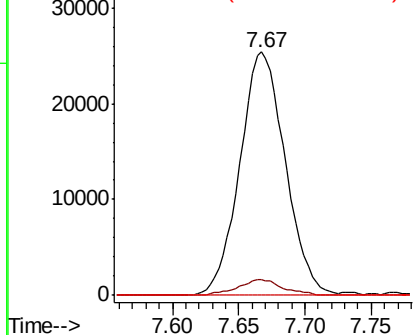
#38
Carbon Tetrachloride
Concen: 4.61 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

Tot Ion:117 Resp: 60358
Ion Ratio Lower Upper
117 100
119 6.4 77.4 116.0#
121 0.0 23.9 35.9#

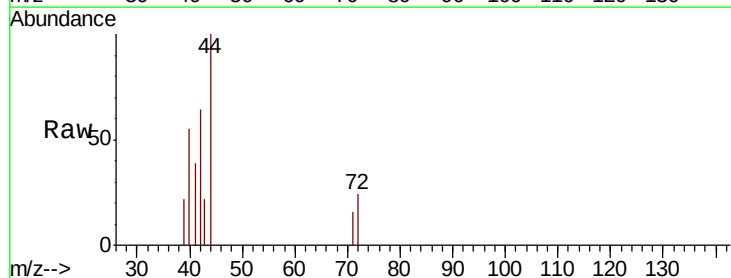


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

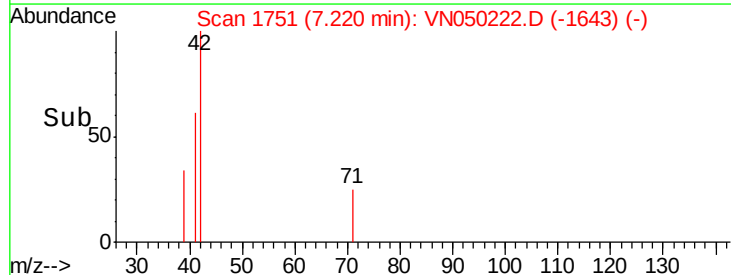
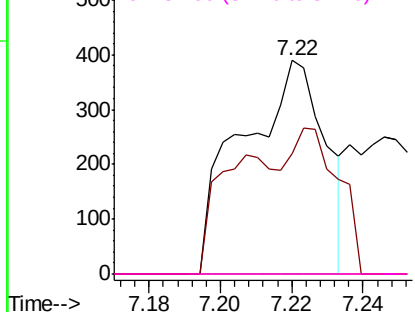


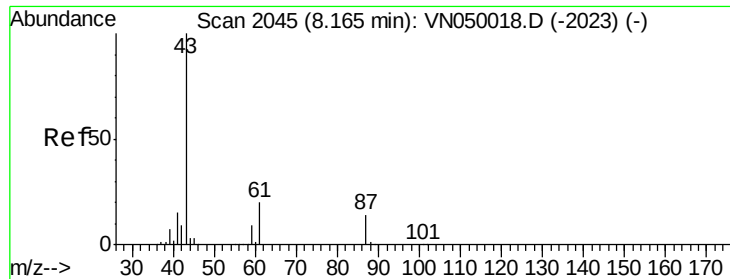
#41
Methacrylonitrile
Concen: 2.88 ug/l
RT: 7.22 min Scan# 1751
Delta R.T. 0.05 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion: 41 Resp: 629
Ion Ratio Lower Upper
41 100
39 39.1 55.8 83.6#
67 0.0 84.3 126.5#
52 0.0 34.2 51.2#



Abundance Ion 41.00 (40.70 to 41.70): VNO
Ion 39.00 (38.70 to 39.70): VNO
Ion 67.00 (66.70 to 67.70): VNO
Ion 52.00 (51.70 to 52.70): VNO





#43

Isopropyl Acetate

Concen: 19.80 ug/l

RT: 8.17 min Scan# 2047

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

CL-01-073018-D

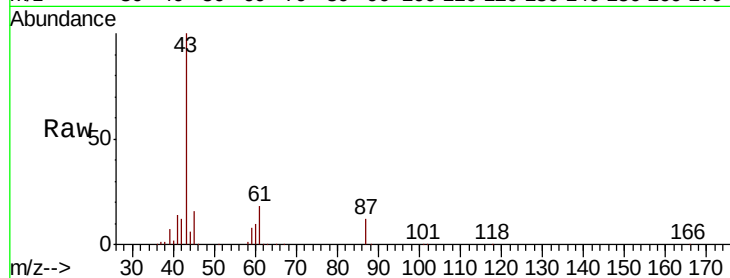
Tot Ion: 43 Resp: 332143

Ion Ratio Lower Upper

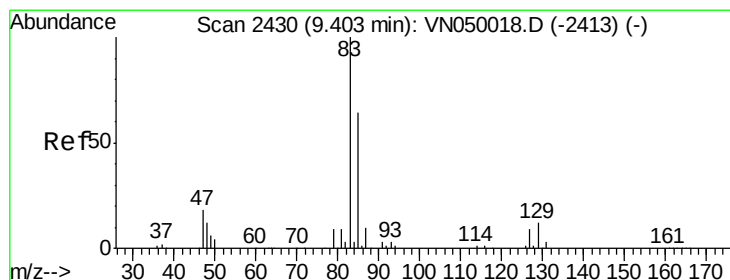
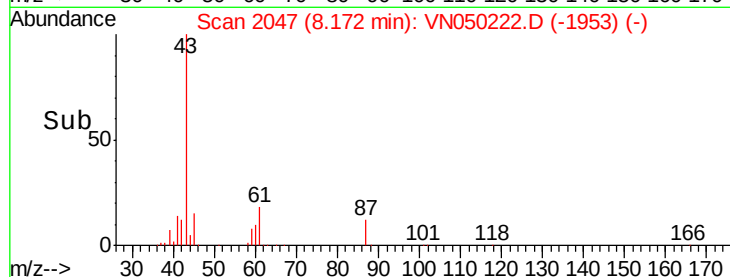
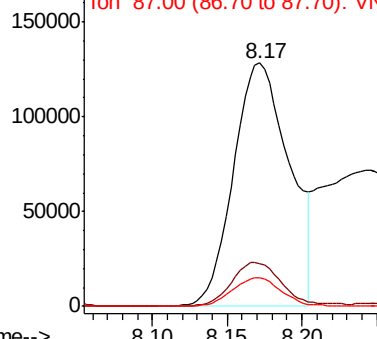
43 100

61 16.6 15.8 23.6

87 10.3 10.3 15.5



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



#47

Bromodichloromethane

Concen: 0.35 ug/l

RT: 9.41 min Scan# 2431

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

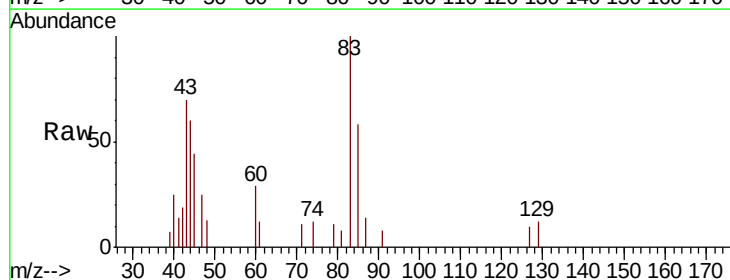
Tgt Ion: 83 Resp: 4558

Ion Ratio Lower Upper

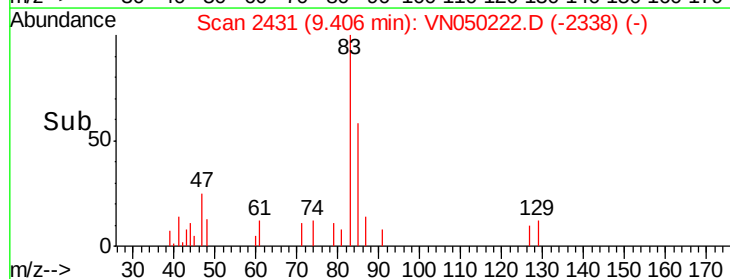
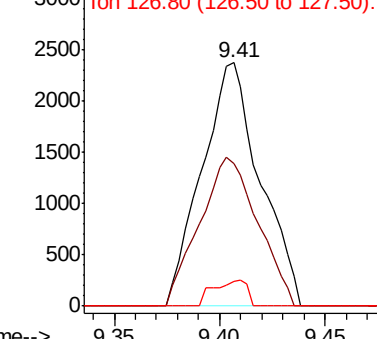
83 100

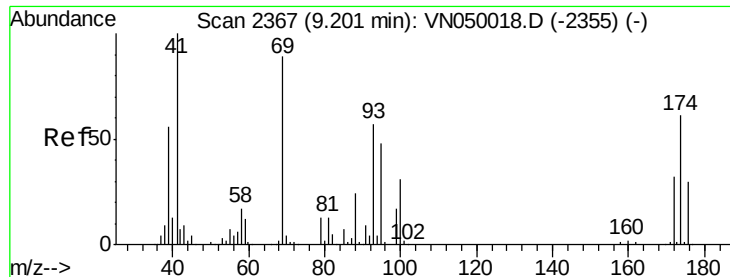
85 58.5 51.1 76.7

127 10.4 7.0 10.4



Abundance Ion 82.90 (82.60 to 83.60): VNO
Ion 84.90 (84.60 to 85.60): VNO
Ion 126.80 (126.50 to 127.50): V

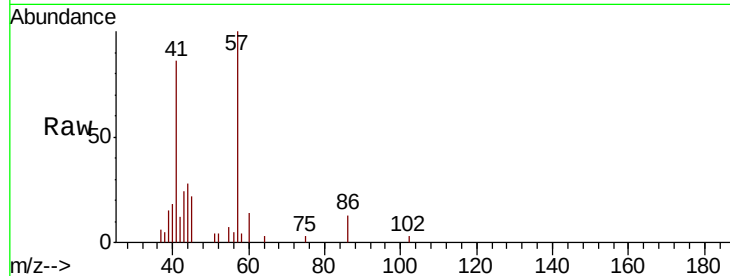




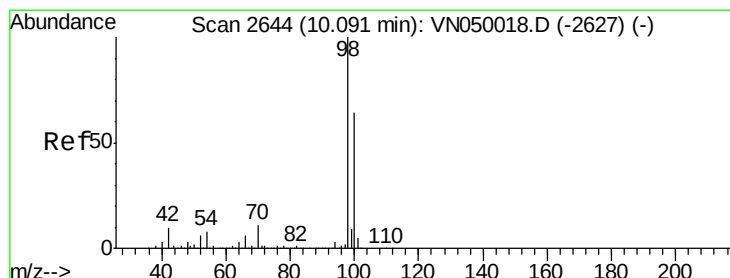
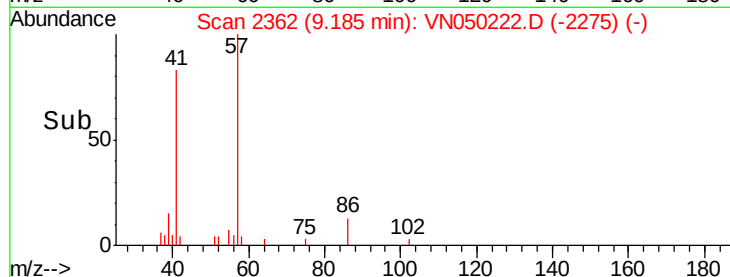
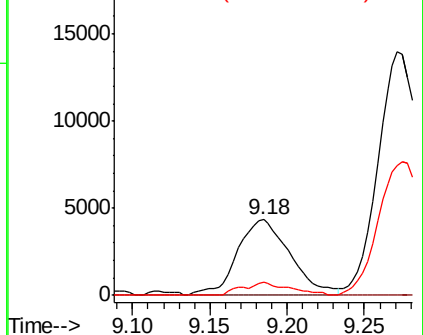
#48
Methvl methacrylate
Concen: 1.39 ug/l
RT: 9.18 min Scan# 2362
Delta R.T. -0.02 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

Tot Ion: 41 Resp: 10323
Ion Ratio Lower Upper
41 100
69 0.0 70.6 105.8#
39 15.2 43.9 65.9#

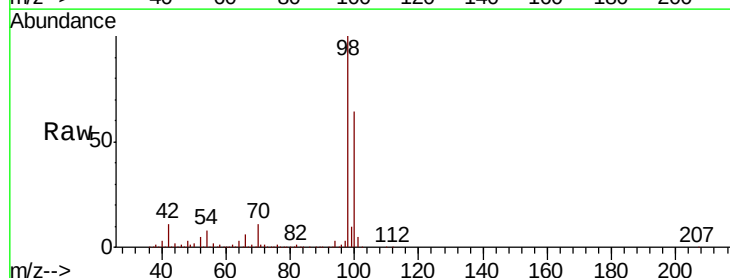


Abundance Ion 41.00 (40.70 to 41.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 39.00 (38.70 to 39.70): VN0

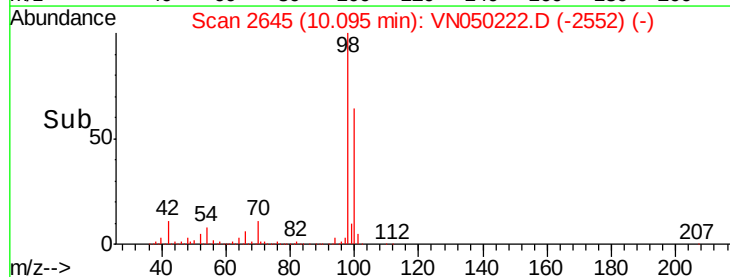
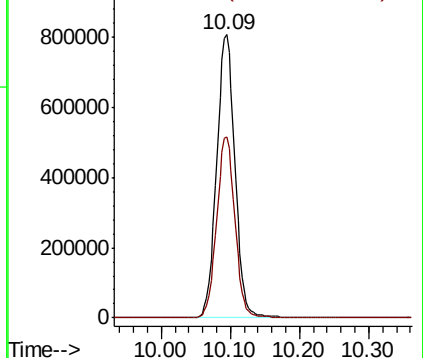


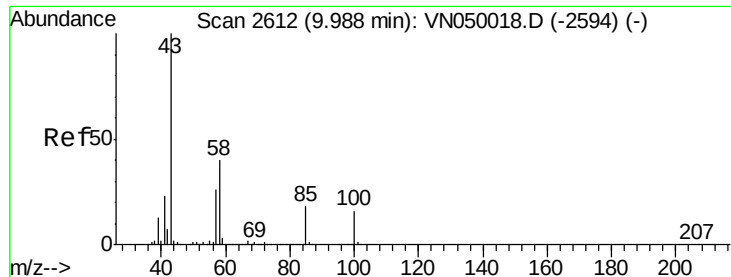
#50
Toluene-d8
Concen: 45.01 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion: 98 Resp: 1479306
Ion Ratio Lower Upper
98 100
100 63.8 50.7 76.1



Abundance Ion 98.00 (97.70 to 98.70): VN0
Ion 100.00 (99.70 to 100.70): VN0

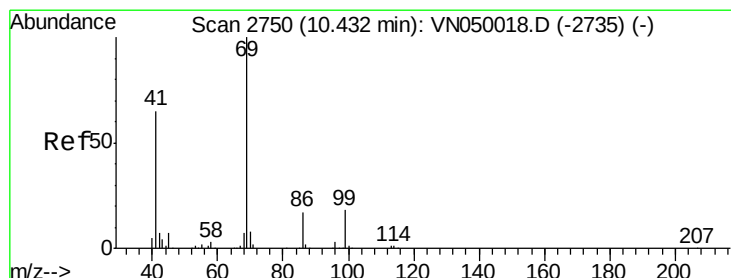
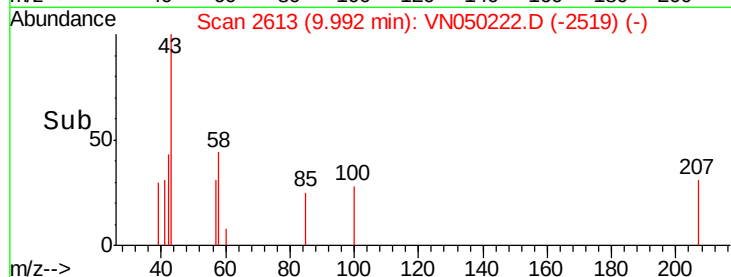
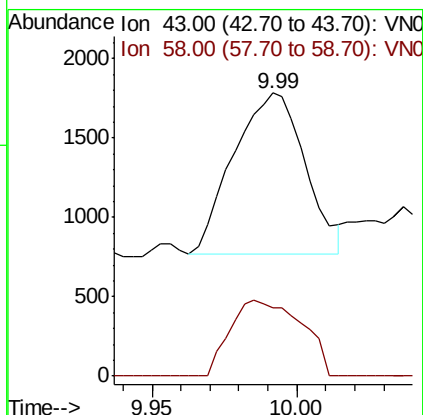
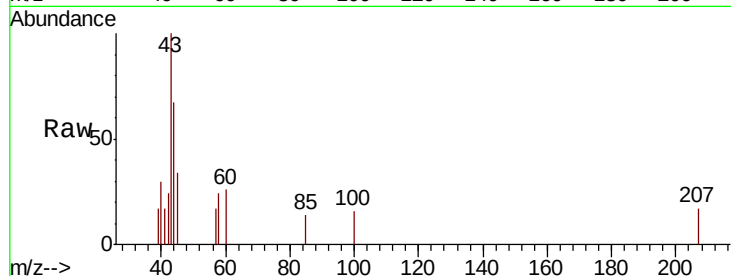




#51
4-Methyl-2-Pentanone
Concen: 0.21 ug/l
RT: 9.99 min Scan# 2613
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

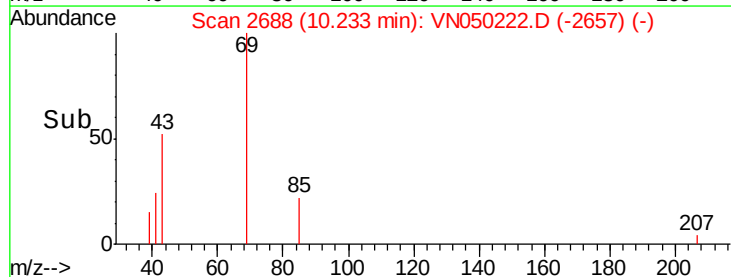
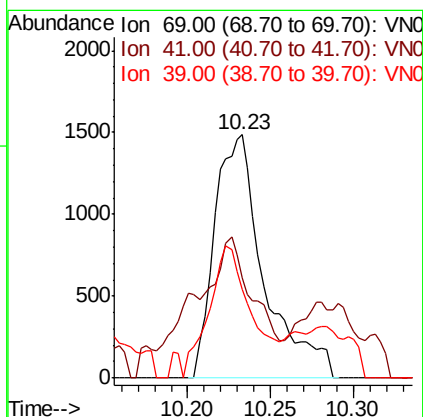
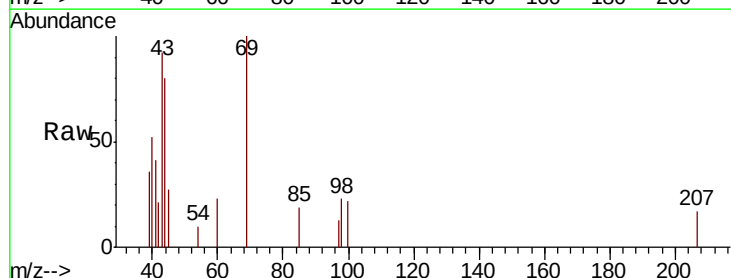
Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

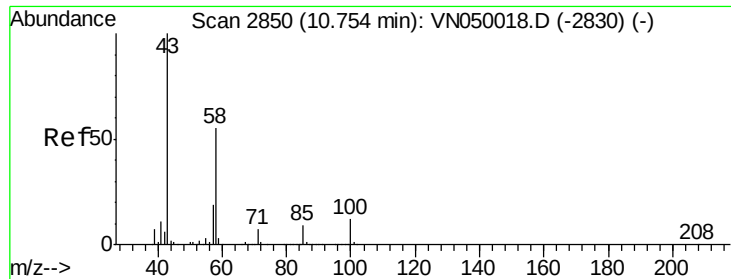
Tot Ion: 43 Resp: 1750
Ion Ratio Lower Upper
43 100
58 46.8 31.9 47.9



#56
Ethyl methacrylate
Concen: 2.28 ug/l
RT: 10.23 min Scan# 2688
Delta R.T. -0.20 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion: 69 Resp: 3081
Ion Ratio Lower Upper
69 100
41 27.3 51.0 76.4#
39 47.0 26.6 40.0#

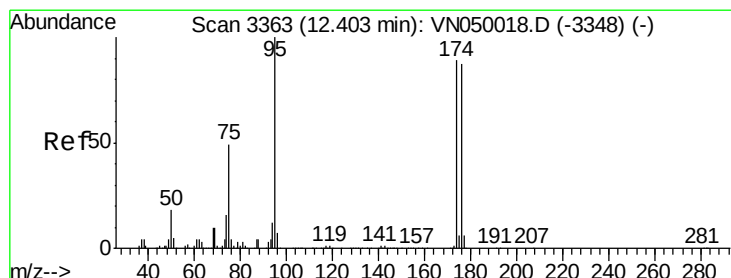
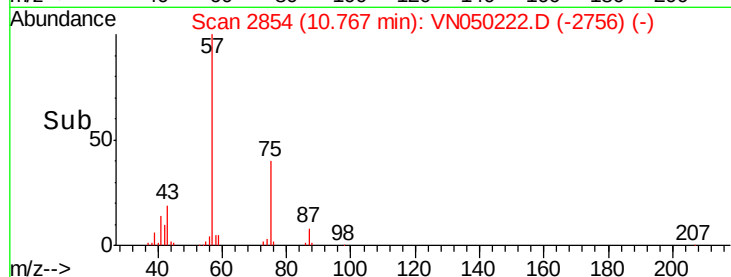
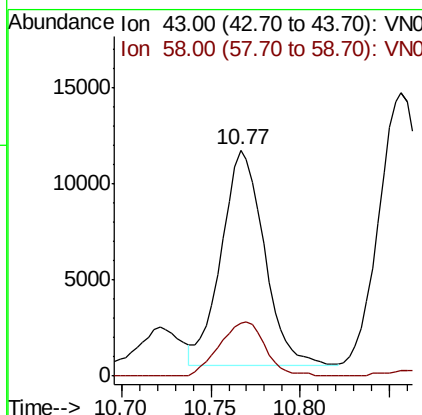
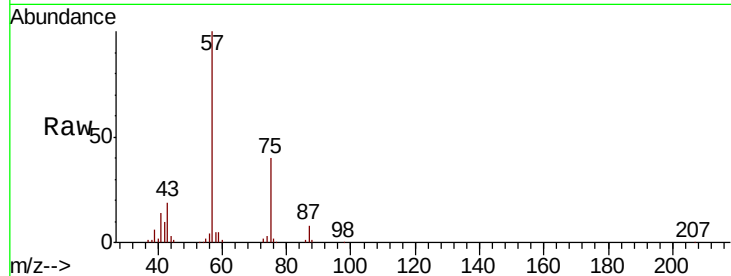




#59
2-Hexanone
Concen: 8.12 ug/l
RT: 10.77 min Scan# 2854
Delta R.T. 0.01 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

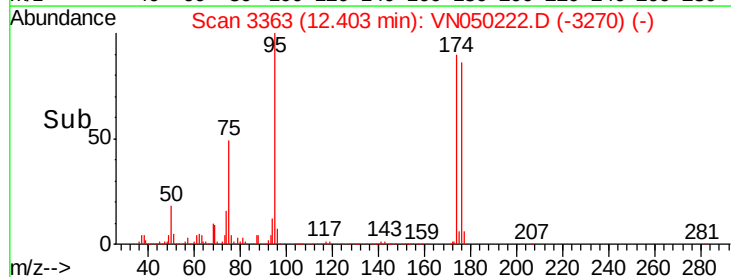
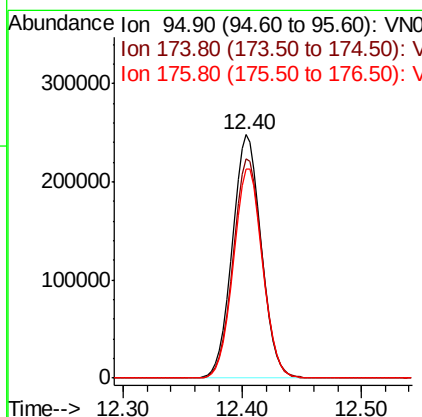
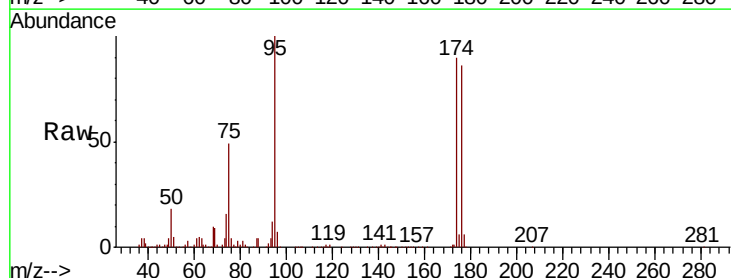
Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

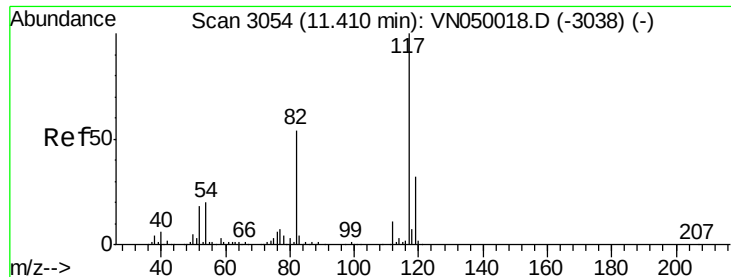
Tot Ion: 43 Resp: 18660
Ion Ratio Lower Upper
43 100
58 26.9 27.6 82.7#



#62
4-Bromofluorobenzene
Concen: 38.53 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion: 95 Resp: 416956
Ion Ratio Lower Upper
95 100
174 91.4 0.0 178.2
176 87.0 0.0 173.4

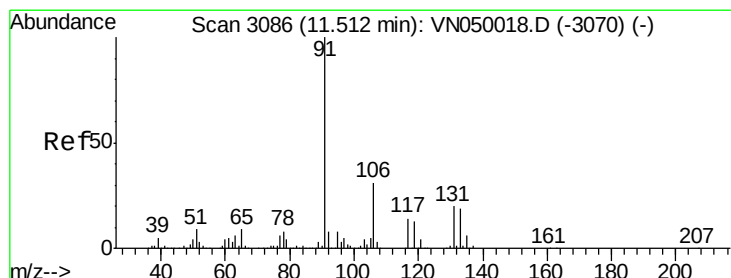
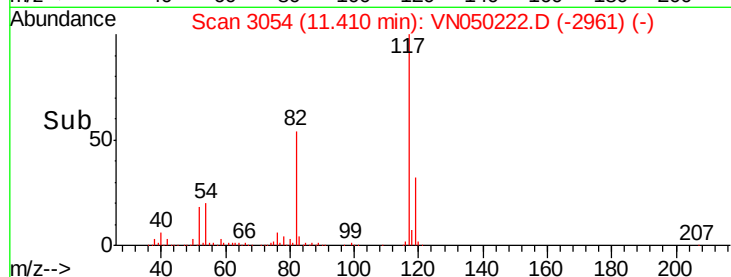
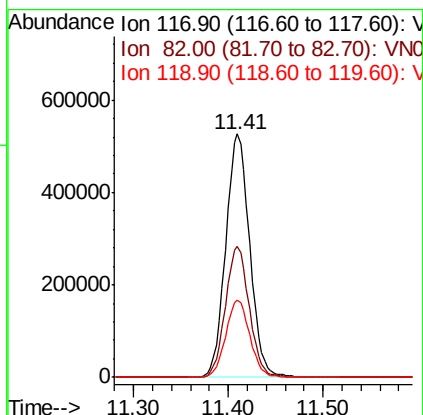
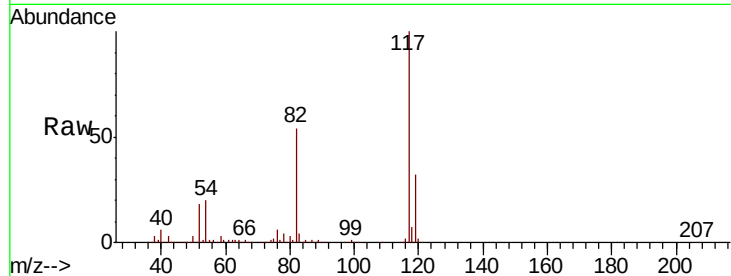




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

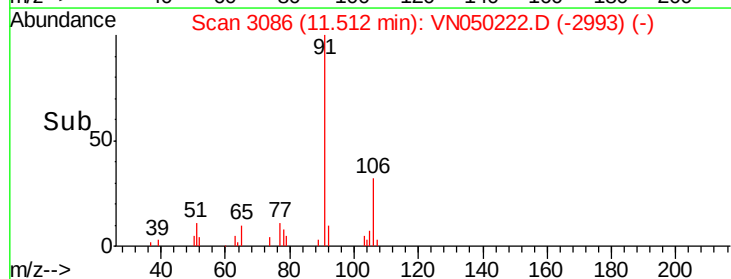
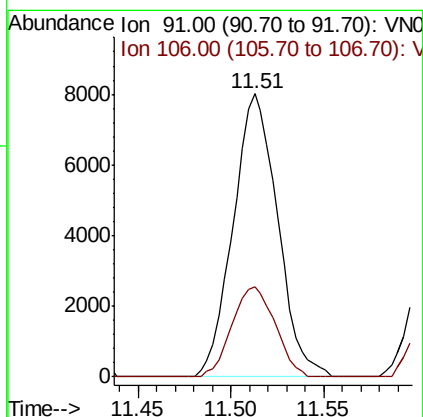
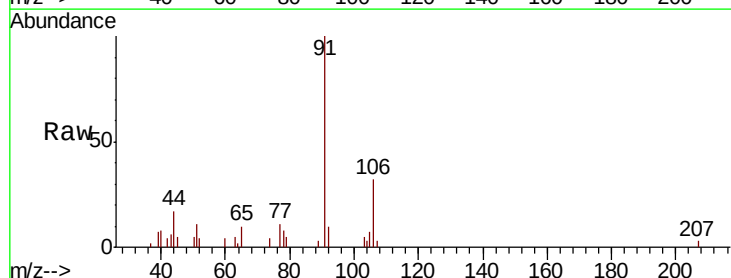
Instrument :
MSVOA_N
ClientSampled :
CL-01-073018-D

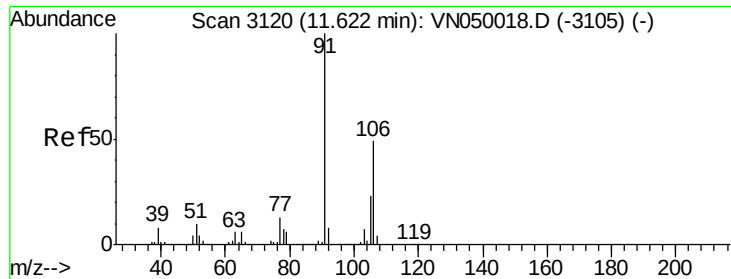
Tot Ion:117 Resp: 926468
Ion Ratio Lower Upper
117 100
82 53.9 43.7 65.5
119 31.8 26.1 39.1



#67
Ethyl Benzene
Concen: 0.36 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion: 91 Resp: 13382
Ion Ratio Lower Upper
91 100
106 31.8 25.0 37.4

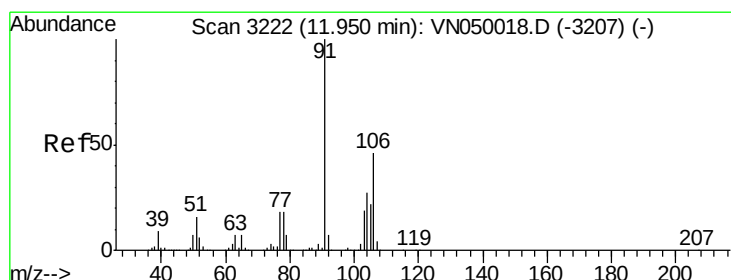
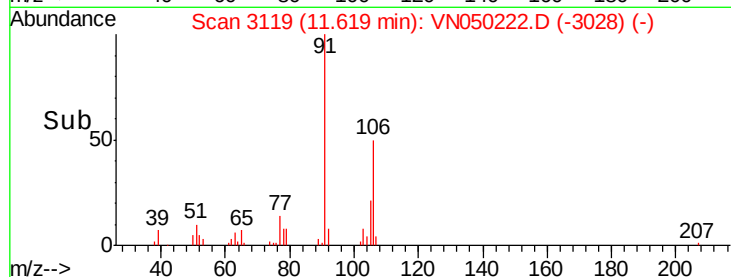
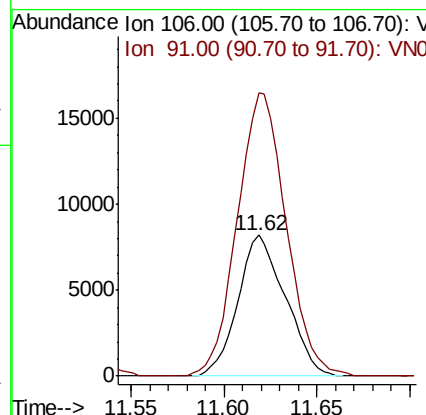
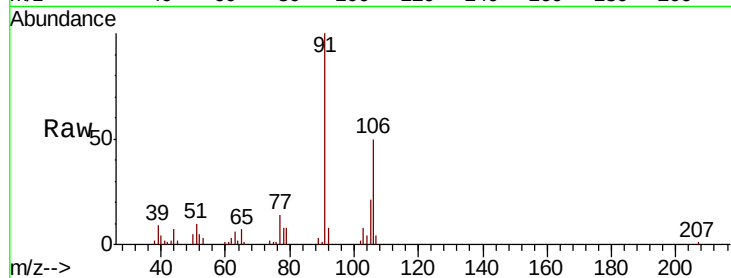




#68
m/p-Xylenes
Concen: 1.02 ug/l
RT: 11.62 min Scan# 3119
Delta R.T. -0.01 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

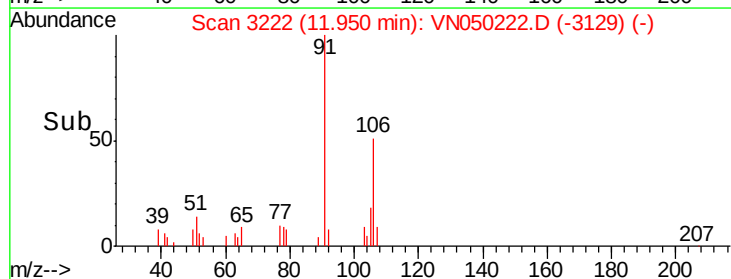
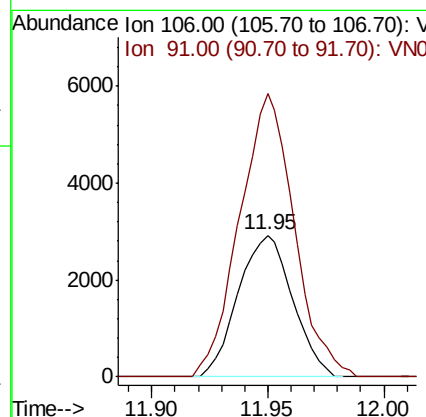
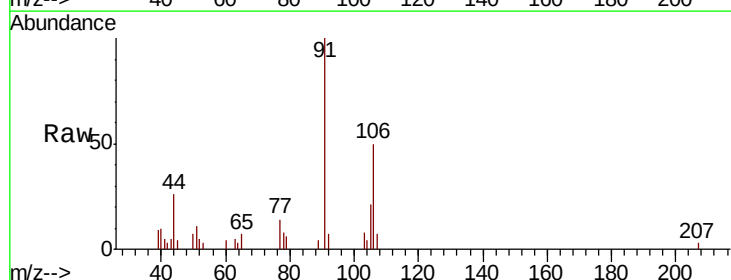
Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

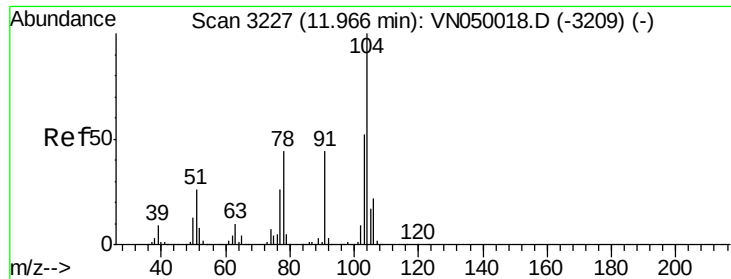
Tot Ion:106 Resp: 14563
Ion Ratio Lower Upper
106 100
91 207.1 162.2 243.2



#69
o-Xylene
Concen: 0.35 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Tgt Ion:106 Resp: 4749
Ion Ratio Lower Upper
106 100
91 201.4 107.7 323.1





#70

Stvrene

Concen: 0.93 ug/l

RT: 11.97 min Scan# 3229

Delta R.T. 0.01 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

CL-01-073018-D

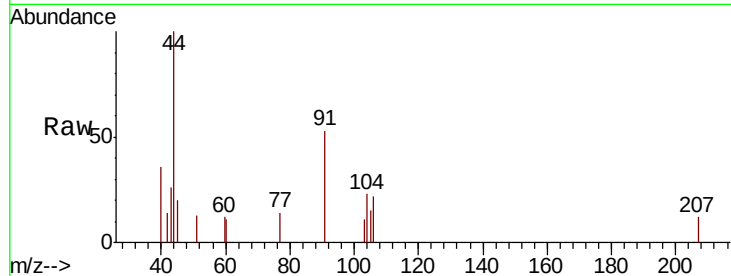
Tot Ion:104 Resp: 267

Ion Ratio Lower Upper

104 100

78 0.0 39.3 58.9#

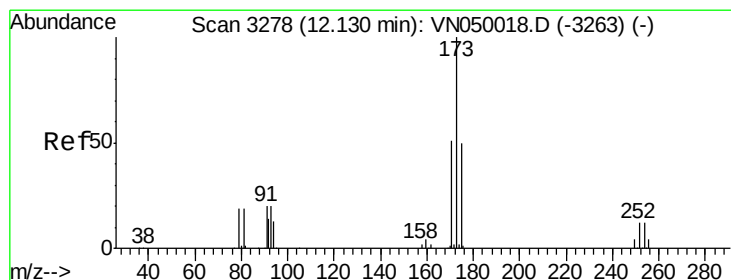
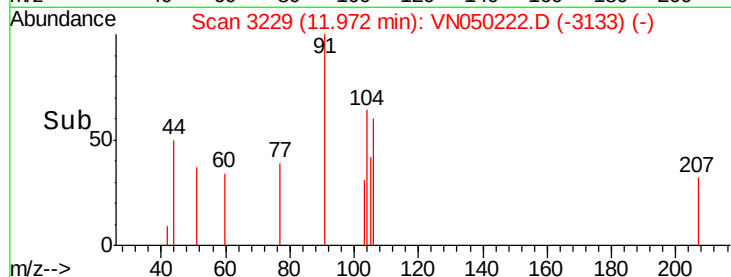
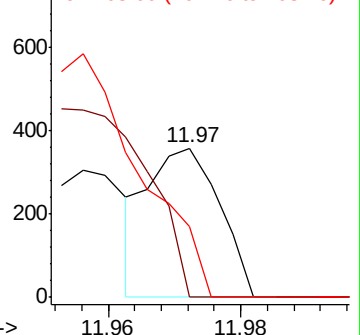
103 0.0 45.0 67.6#



Abundance Ion 104.00 (103.70 to 104.70): V

Ion 78.00 (77.70 to 78.70): VN0

Ion 103.00 (102.70 to 103.70): V



#71

Bromoform

Concen: 0.60 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.27 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

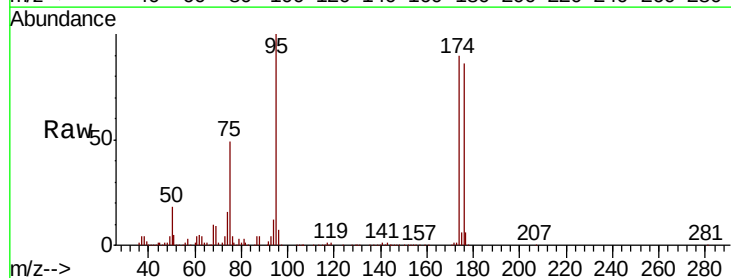
Tgt Ion:173 Resp: 3894

Ion Ratio Lower Upper

173 100

175 611.4 24.1 72.2#

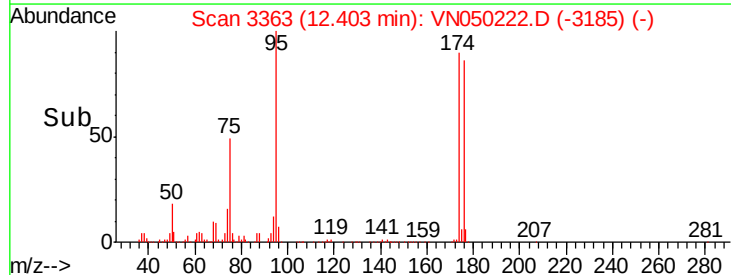
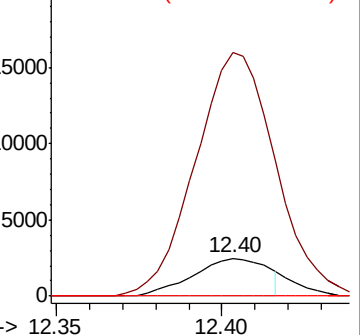
254 0.0 0.2 0.2#

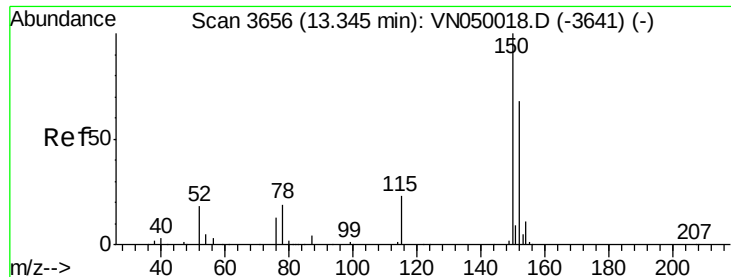


Abundance Ion 172.70 (172.40 to 173.40): V

Ion 174.70 (174.40 to 175.40): V

Ion 254.40 (254.10 to 255.10): V





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3656

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

CL-01-073018-D

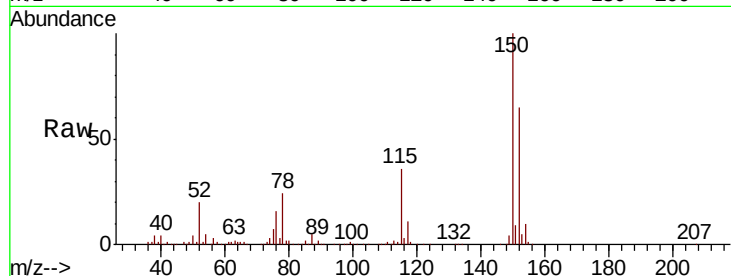
Tot Ion:152 Resp: 359137

Ion Ratio Lower Upper

152 100

115 55.4 27.8 83.3

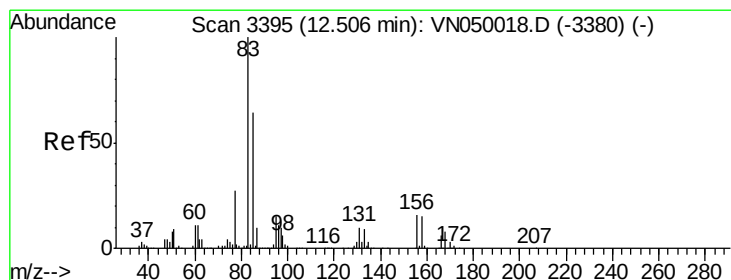
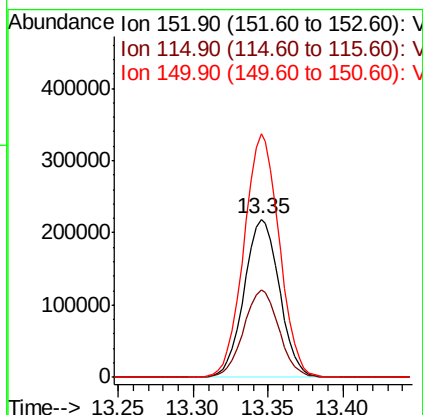
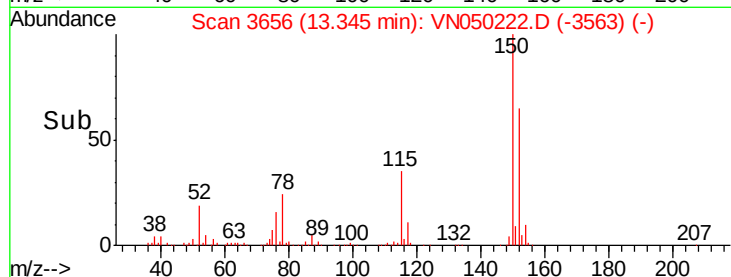
150 154.2 0.0 348.6



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# 3363

Delta R.T. -0.10 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

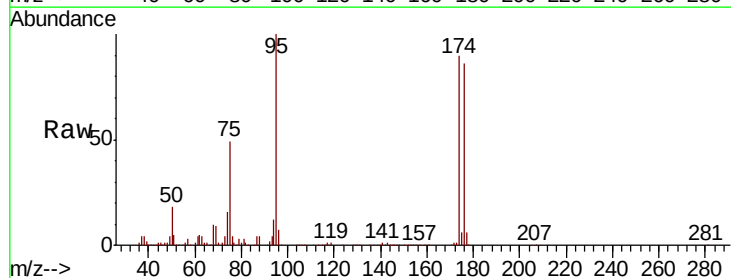
Tgt Ion: 83 Resp: 230

Ion Ratio Lower Upper

83 100

131 155.2 5.1 15.3#

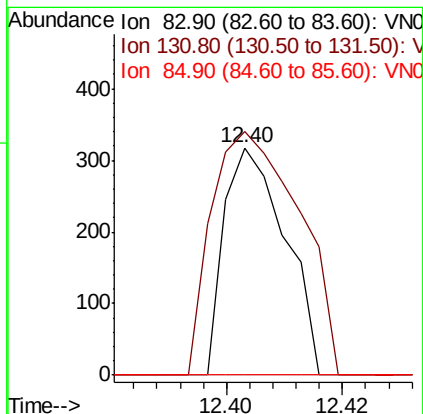
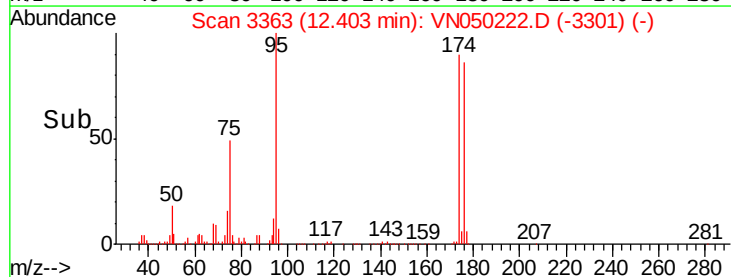
85 0.0 32.3 96.8#

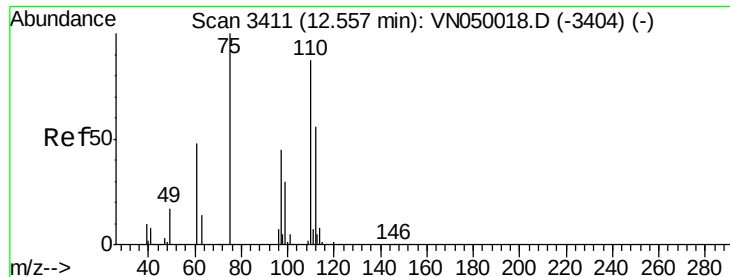


Abundance Ion 82.90 (82.60 to 83.60): VNO

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): VNO





#76

1,2,3-Trichloropropane

Concen: 30.49 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

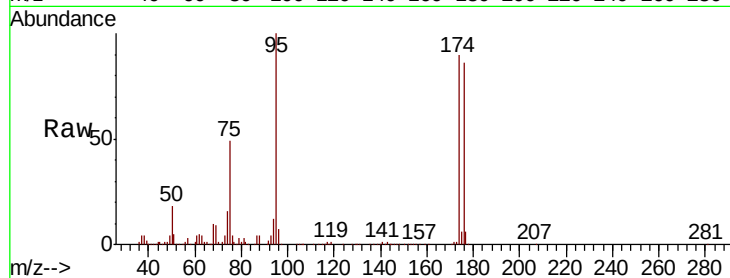
CL-01-073018-D

Tot Ion: 75 Resp: 203512

Ion Ratio Lower Upper

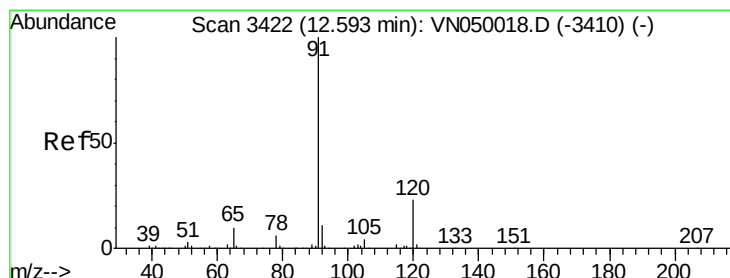
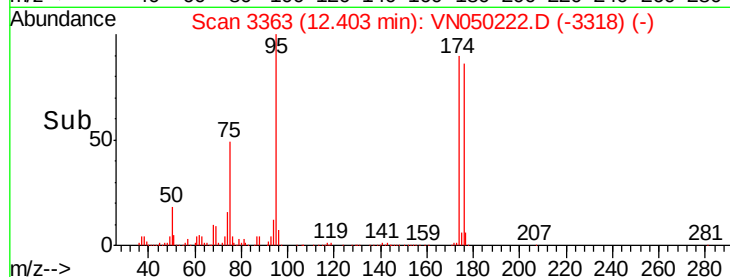
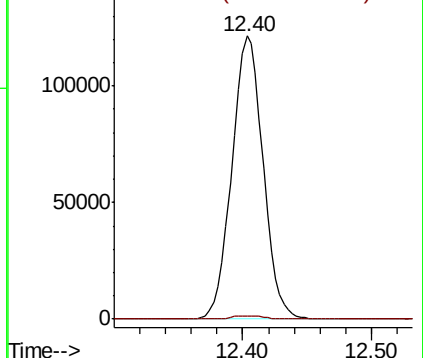
75 100

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



#78

n-propylbenzene

Concen: 0.27 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN050222.D

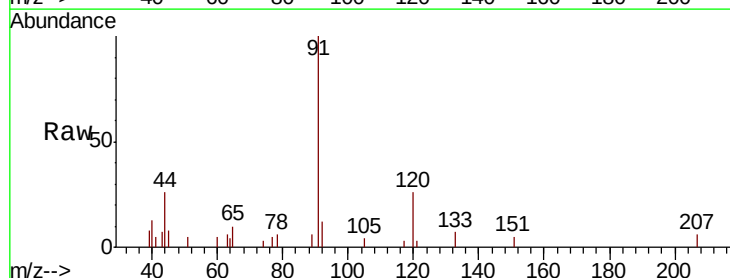
Acq: 31 Jul 2018 18:11

Tgt Ion: 91 Resp: 8283

Ion Ratio Lower Upper

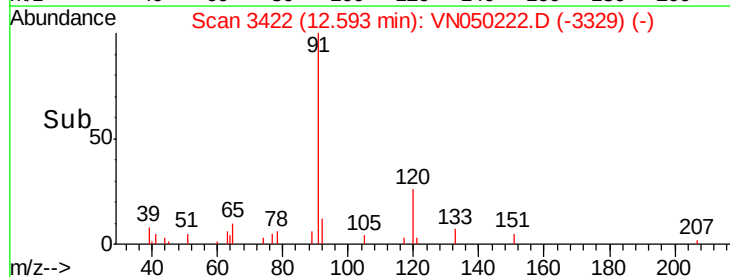
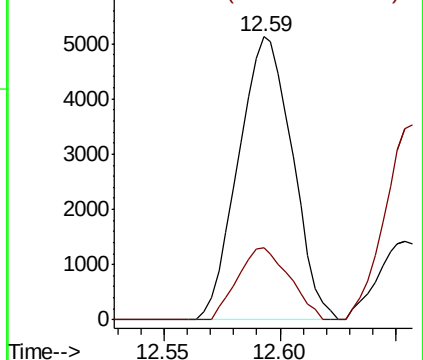
91 100

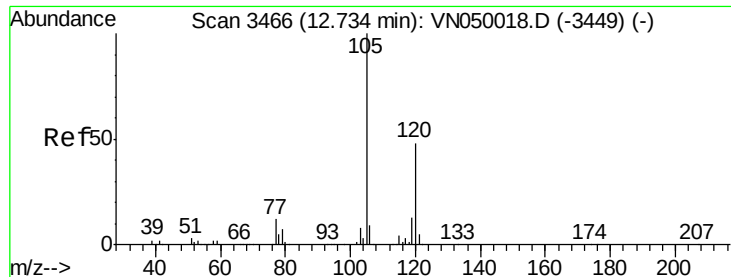
120 24.7 11.6 34.7



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V





#80

1,3,5-Trimethylbenzene

Concen: 0.59 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampleId :

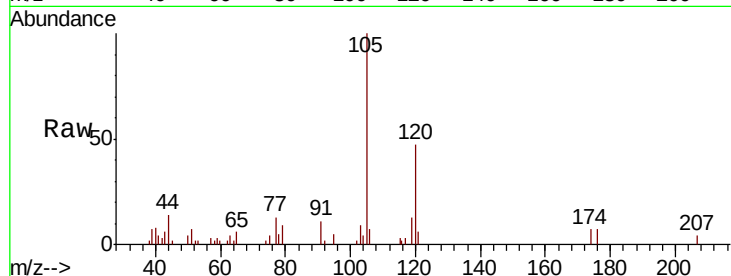
CL-01-073018-D

Tot Ion:105 Resp: 12906

Ion Ratio Lower Upper

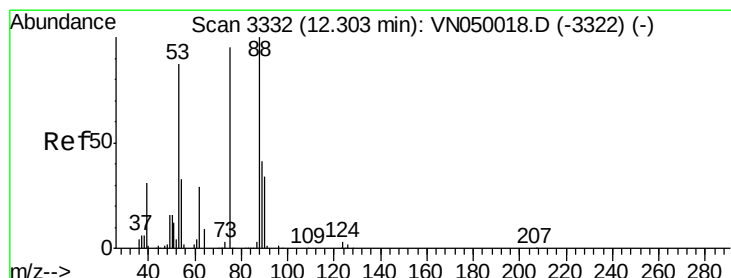
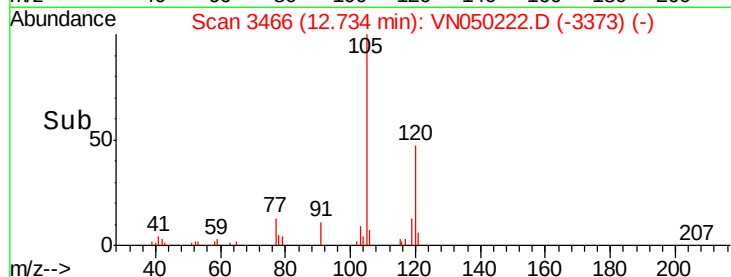
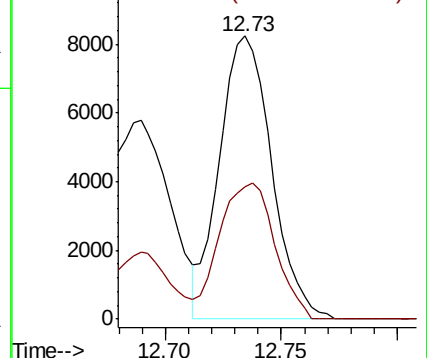
105 100

120 50.9 24.4 73.2



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 96.72 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

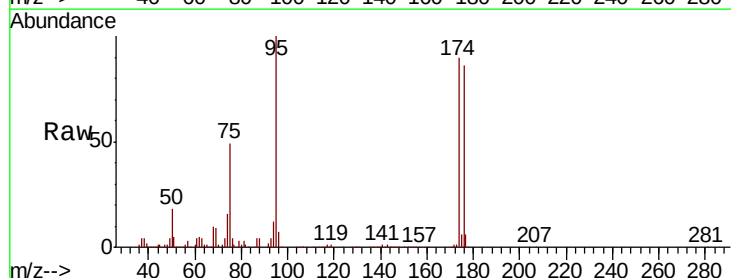
Tgt Ion: 75 Resp: 203512

Ion Ratio Lower Upper

75 100

53 0.1 73.5 110.3#

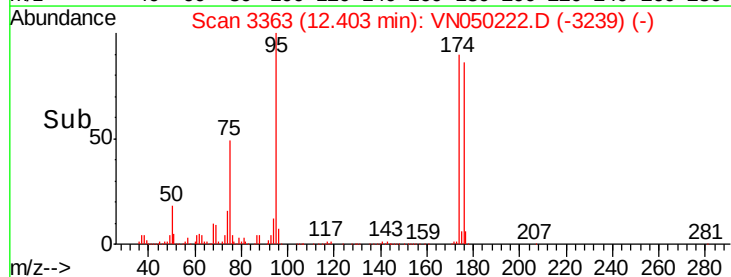
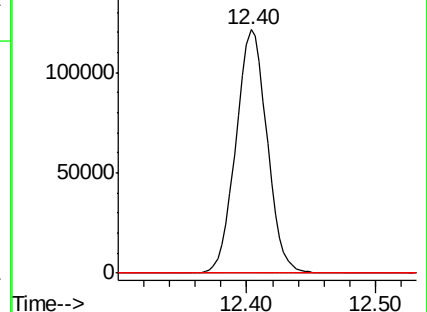
89 0.1 36.0 54.0#

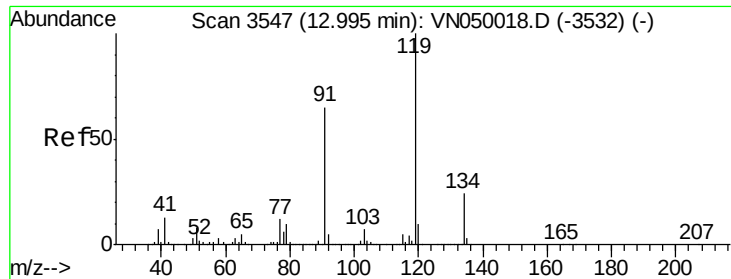


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO

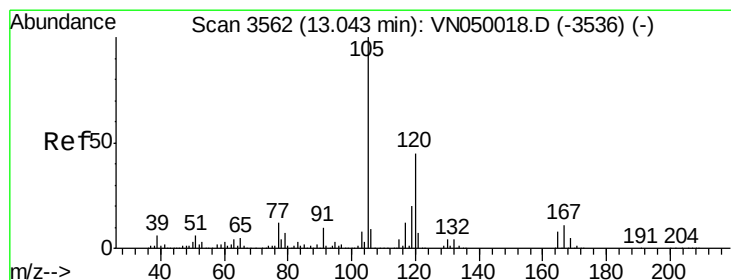
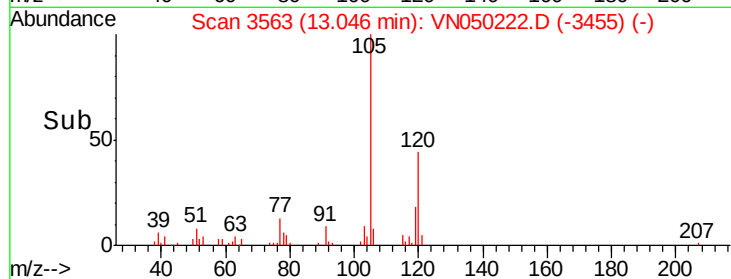
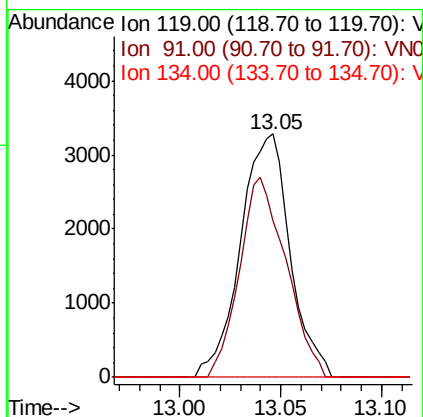
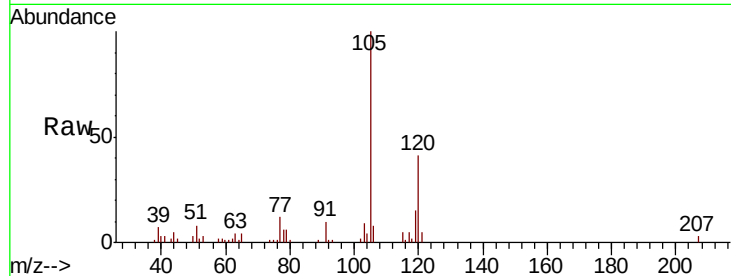




#83
 tert-Butylbenzene
 Concen: 0.30 ug/l
 RT: 13.05 min Scan# 3563
 Delta R.T. 0.05 min
 Lab File: VN050222.D
 Acq: 31 Jul 2018 18:11

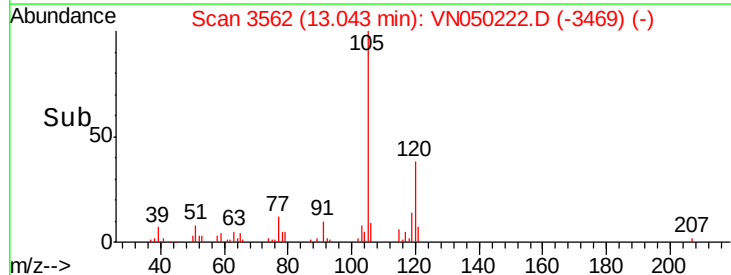
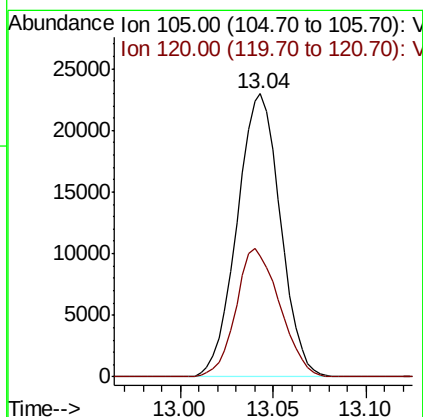
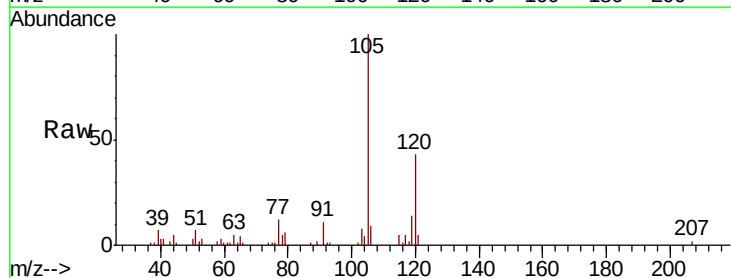
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-073018-D

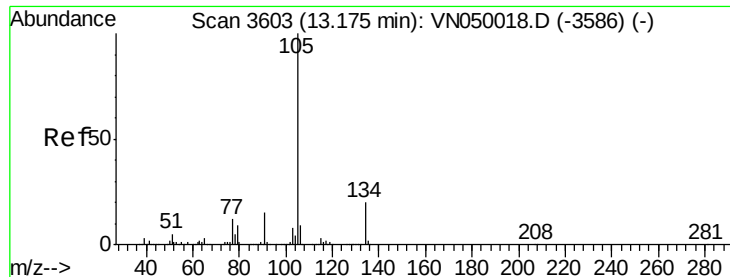
Tot Ion:119 Resp: 5644
 Ion Ratio Lower Upper
 119 100
 91 77.2 32.1 96.3
 134 0.0 13.2 39.5#



#84
 1,2,4-Trimethylbenzene
 Concen: 1.69 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN050222.D
 Acq: 31 Jul 2018 18:11

Tgt Ion:105 Resp: 37363
 Ion Ratio Lower Upper
 105 100
 120 45.8 22.9 68.7





#85

sec-Butylbenzene

Concen: 1.46 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN050222.D

Acq: 31 Jul 2018 18:11

Instrument :

MSVOA_N

ClientSampled :

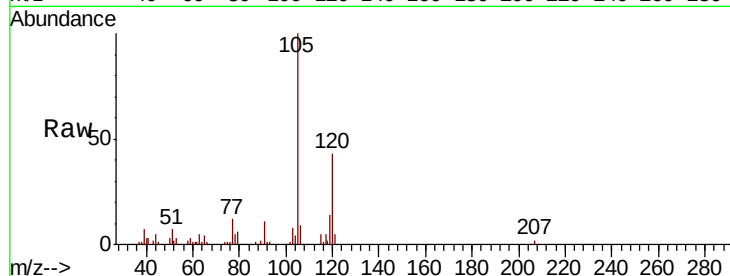
CL-01-073018-D

Tot Ion:105 Resp: 37363

Ion Ratio Lower Upper

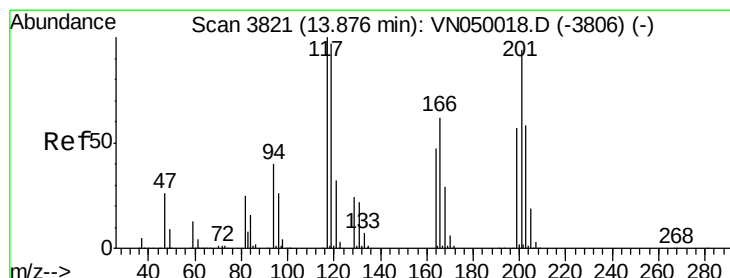
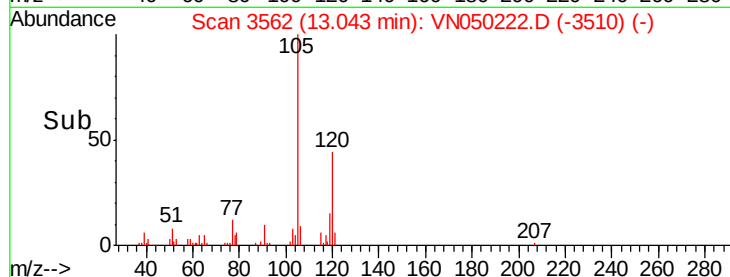
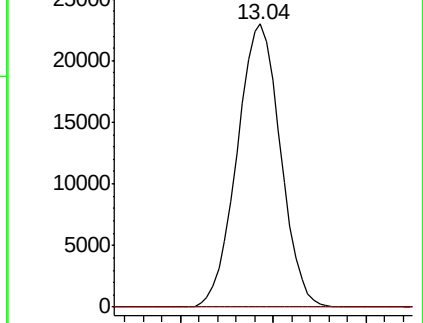
105 100

134 0.0 10.1 30.1#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V



#90

Hexachloroethane

Concen: 0.23 ug/l

RT: 13.90 min Scan# 3827

Delta R.T. 0.02 min

Lab File: VN050222.D

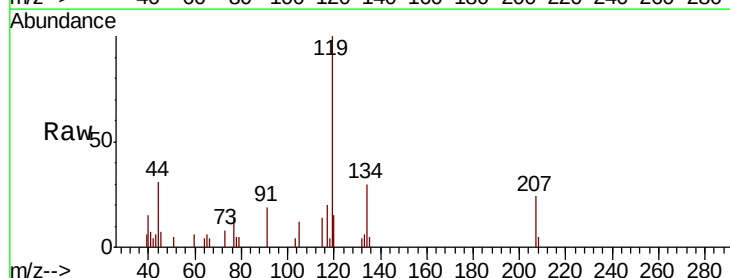
Acq: 31 Jul 2018 18:11

Tgt Ion:117 Resp: 1097

Ion Ratio Lower Upper

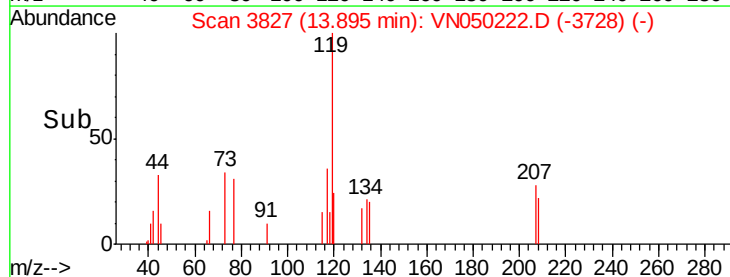
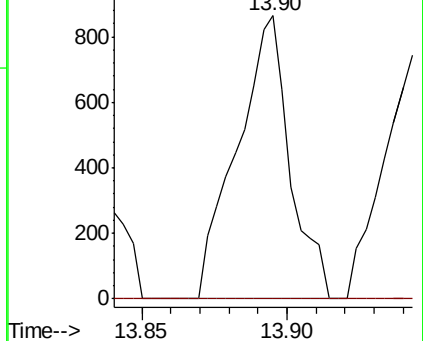
117 100

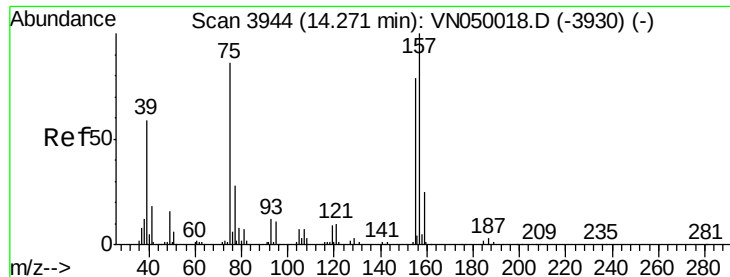
201 0.0 45.6 136.8#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V

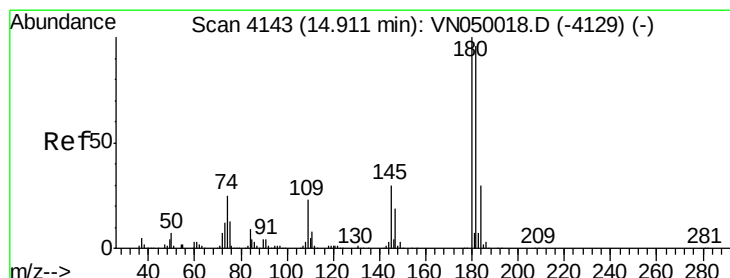
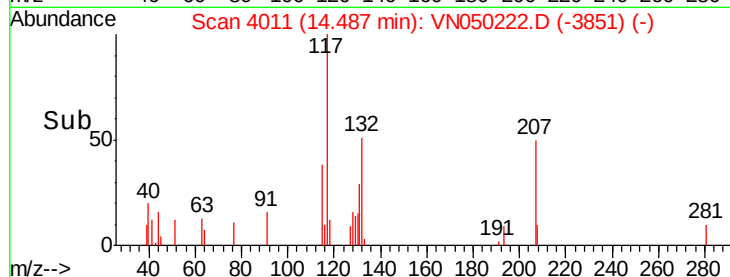
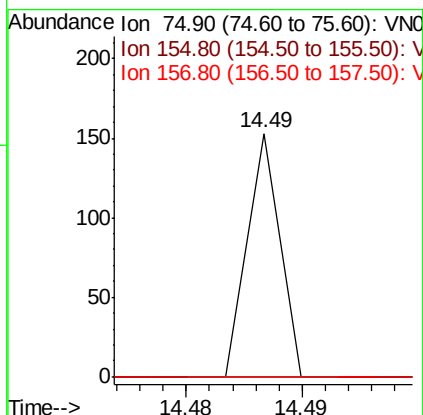
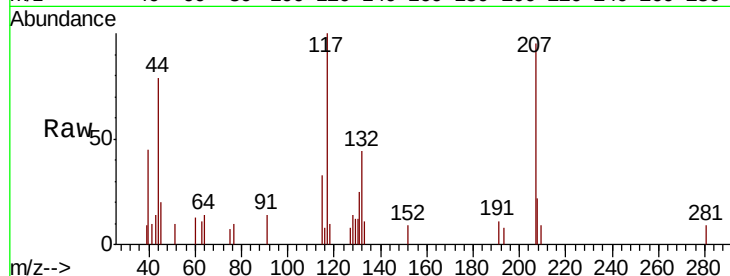




#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.49 min Scan# 4011
 Delta R.T. 0.22 min
 Lab File: VN050222.D
 Acq: 31 Jul 2018 18:11

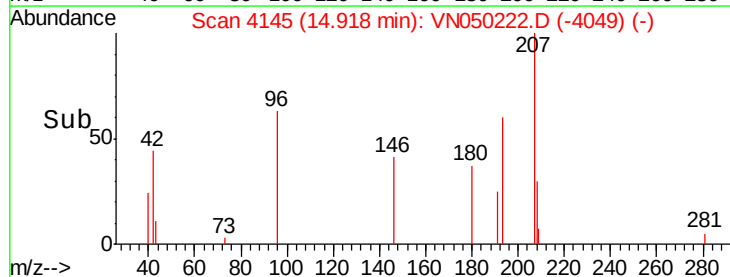
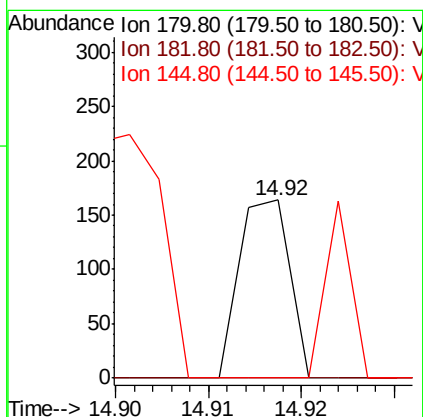
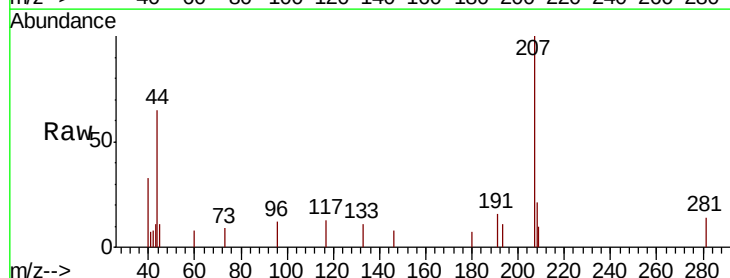
Instrument :
 MSVOA_N
 ClientSampleId :
 CL-01-073018-D

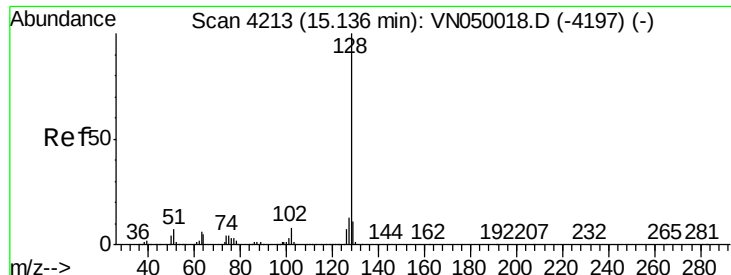
Tot Ion: 75 Resp: 30
 Ion Ratio Lower Upper
 75 100
 155 0.0 44.8 134.4#
 157 0.0 57.2 171.6#



#93
 1,2,4-Trichlorobenzene
 Concen: 3.09 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN050222.D
 Acq: 31 Jul 2018 18:11

Tgt Ion: 180 Resp: 62
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.7 140.1#
 145 50.0 13.8 41.4#

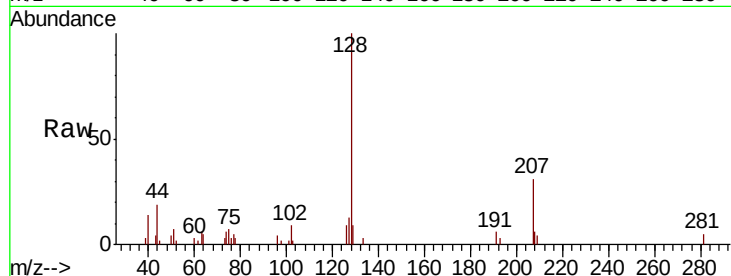




#95
Naphthalene
Concen: 5.33 ug/l
RT: 15.13 min Scan# 4212
Delta R.T. -0.00 min
Lab File: VN050222.D
Acq: 31 Jul 2018 18:11

Instrument :
MSVOA_N
ClientSampleId :
CL-01-073018-D

Tot Ion	Ratio	Lower	Upper
128	100		
127	13.5	10.4	15.6
129	10.5	8.8	13.2



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

