

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070318\
 Data File : VN049688.D
 Acq On : 3 Jul 2018 12:52
 Operator : MD\SY
 Sample : J3798-07DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jul 03 23:03:30 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N062918W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 30 00:55:30 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.66	168	1455702	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2267513	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1921417	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	845932	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	976594	50.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	101.60%	
35) Dibromofluoromethane	7.59	113	785891	46.36	ug/l	0.00
Spiked Amount	50.000		Recovery	=	92.72%	
50) Toluene-d8	10.09	98	3098757	46.70	ug/l	0.00
Spiked Amount	50.000		Recovery	=	93.40%	
62) 4-Bromofluorobenzene	12.41	95	956522	42.22	ug/l	0.00
Spiked Amount	50.000		Recovery	=	84.44%	

Target Compounds

						Qvalue
3) Chloromethane	2.05	50	4560	0.22	ug/l	# 87
13) Acrolein	3.60	56	987	0.96	ug/l	# 15
14) Allyl chloride	4.40	41	10047	0.43	ug/l	# 41
15) Acrylonitrile	5.02	53	3681	0.65	ug/l	# 30
16) Acetone	3.82	43	30002	Below	Cal	# 99
17) Carbon Disulfide	4.04	76	10805	Below	Cal	# 83
18) Methyl Acetate	4.33	43	46346	Below	Cal	# 74
19) Methyl tert-butyl Ether	5.04	73	23201	0.53	ug/l	# 1
20) Methylene Chloride	4.55	84	19584	0.99	ug/l	# 80
25) 2-Butanone	6.85	43	11710	1.83	ug/l	# 99
29) Tetrahydrofuran	7.23	42	2856	0.70	ug/l	# 74
31) Cyclohexane	7.66	56	42990	0.77	ug/l	# 21
36) 1,1-Dichloropropene	7.66	75	97088	3.81	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	131293	5.29	ug/l	# 16
39) Methylcyclohexane	9.08	83	18040	0.64	ug/l	# 90
40) Benzene	8.04	78	335287	4.30	ug/l	# 100
43) Isopropyl Acetate	8.15	43	4624	Below	Cal	# 62
48) Methyl methacrylate	9.22	41	3642	0.28	ug/l	# 36
49) 1,4-Dioxane	9.19	88	145	0.82	ug/l	# 1
51) 4-Methyl-2-Pentanone	9.99	43	7066	0.48	ug/l	# 90
52) Toluene	10.16	92	3153536	67.01	ug/l	# 100
58) 2-Chloroethyl Vinyl ether	9.71	63	758	10.89	ug/l	# 66
59) 2-Hexanone	10.75	43	6301	0.65	ug/l	# 93
67) Ethyl Benzene	11.52	91	265114	3.20	ug/l	# 98
68) m/p-Xylenes	11.62	106	778753	24.53	ug/l	# 99
69) o-Xylene	11.95	106	324072	10.66	ug/l	# 96
70) Styrene	11.95	104	24932	0.51	ug/l	# 1
73) Isopropylbenzene	12.25	105	42326	0.63	ug/l	# 99
75) 1,1,2,2-Tetrachloroethane	12.50	83	1278	Below	Cal	# 75
76) 1,2,3-Trichloropropane	12.40	75	475196	35.03	ug/l	# 100
78) n-propylbenzene	12.60	91	86863	1.12	ug/l	# 97
80) 1,3,5-Trimethylbenzene	12.73	105	245509	4.38	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	475196	118.96	ug/l	# 13
84) 1,2,4-Trimethylbenzene	13.04	105	655314	11.39	ug/l	# 100

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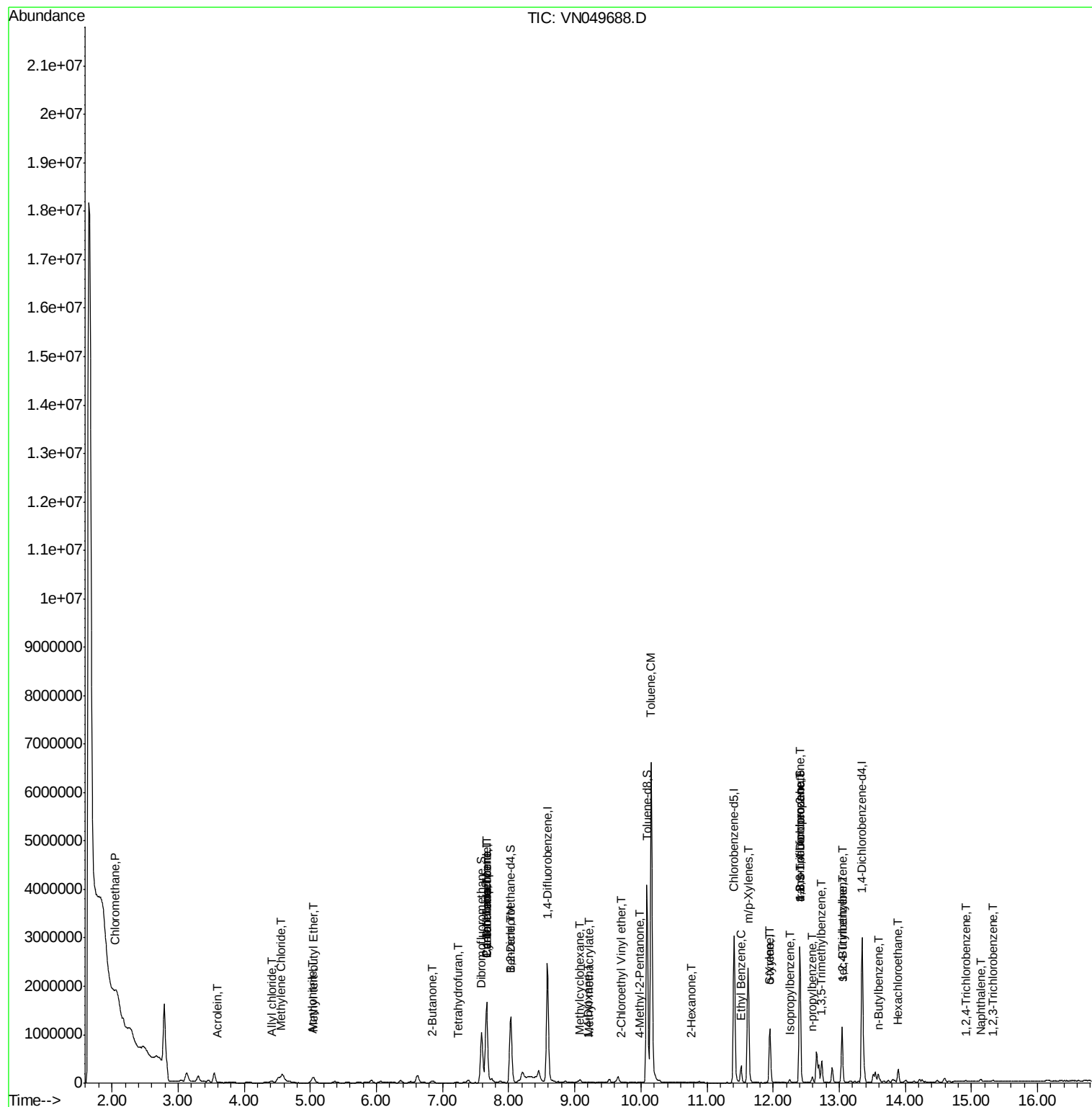
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
85) sec-Butylbenzene	13.04	105	655314	10.28	ug/l #	57
87) 1,3-Dichlorobenzene	13.29	146	5700	Below	Cal	97
88) 1,4-Dichlorobenzene	13.29	146	5700	Below	Cal	96
89) n-Butylbenzene	13.59	91	11038	0.23	ug/l #	1
90) Hexachloroethane	13.89	117	17283	2.98	ug/l #	4
91) 1,2-Dichlorobenzene	13.66	146	5125	Below	Cal	96
92) 1,2-Dibromo-3-Chloropropan	14.27	75	468	Below	Cal	75
93) 1,2,4-Trichlorobenzene	14.92	180	5520	2.74	ug/l	92
94) Hexachlorobutadiene	15.01	225	2607	Below	Cal	92
95) Naphthalene	15.14	128	38142	5.06	ug/l	98
96) 1,2,3-Trichlorobenzene	15.32	180	6637	2.08	ug/l	98

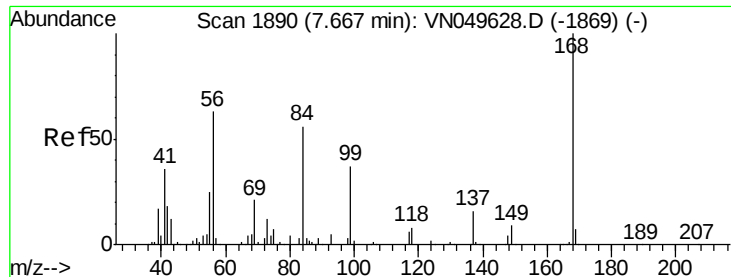
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.66 min Scan# 1889

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

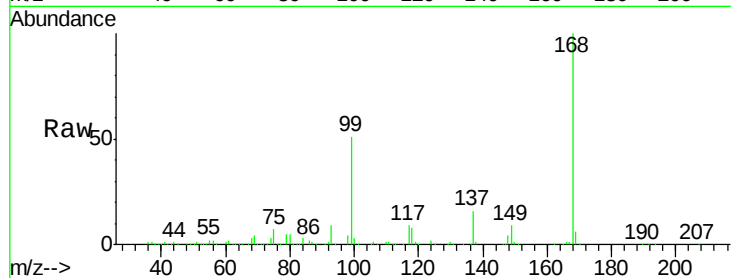
ClientSampleId :

Tot Ion:168 Resp: 1455702

Ion Ratio Lower Upper

168 100

99 51.4 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0

7.66

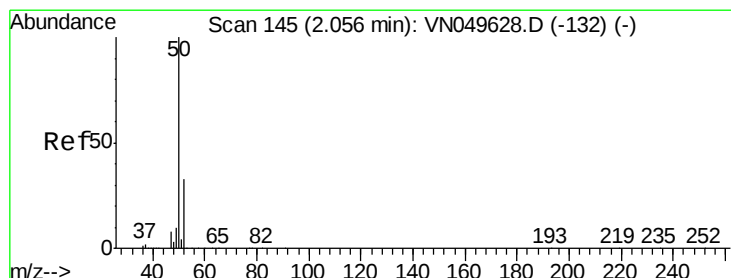
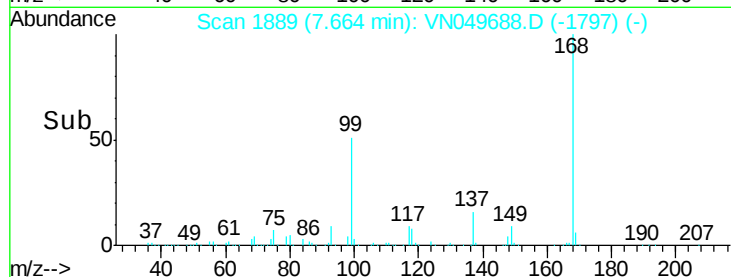
600000

400000

200000

0

Time--> 7.50 7.60 7.70 7.80



#3

Chloromethane

Concen: 0.22 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049688.D

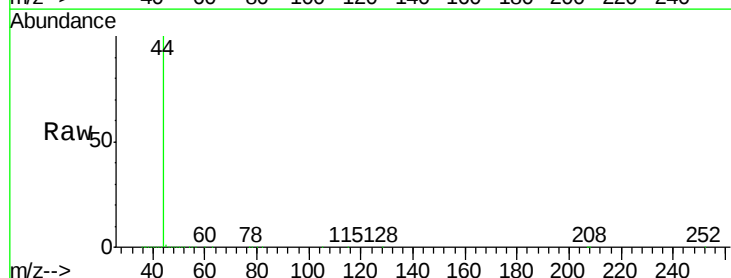
Acq: 3 Jul 2018 12:52

Tgt Ion: 50 Resp: 4560

Ion Ratio Lower Upper

50 100

52 39.9 26.1 39.1#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.05

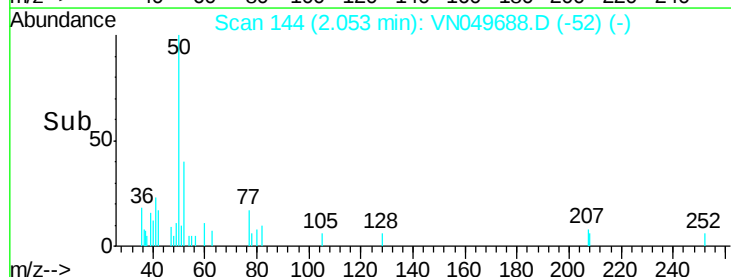
3000

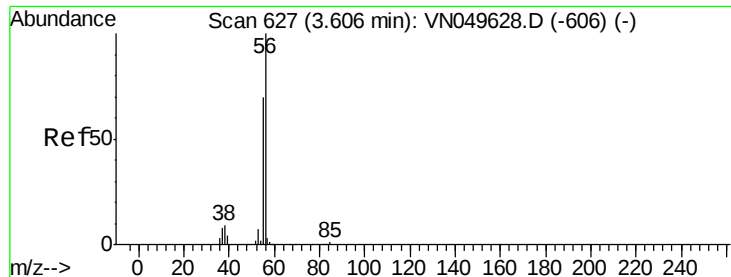
2000

1000

0

Time--> 2.02 2.04 2.06 2.08





#13

Acrolein

Concen: 0.96 ug/l

RT: 3.60 min Scan# 626

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

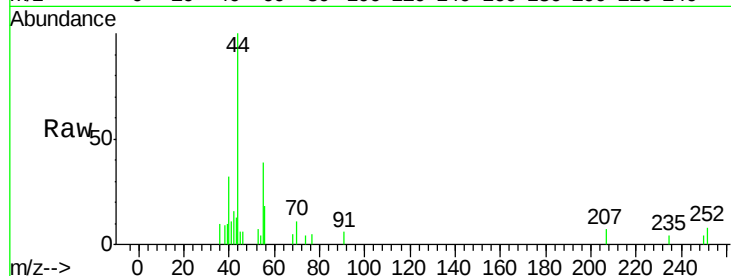
ClientSampled :

Tot Ion: 56 Resp: 987

Ion Ratio Lower Upper

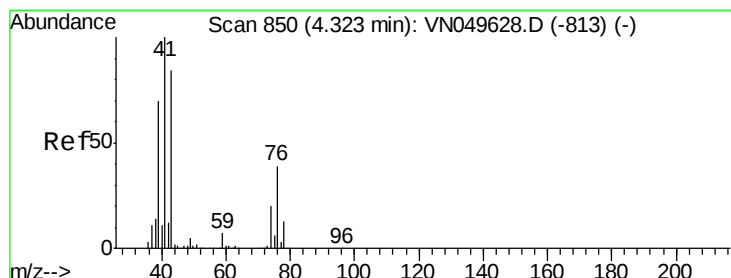
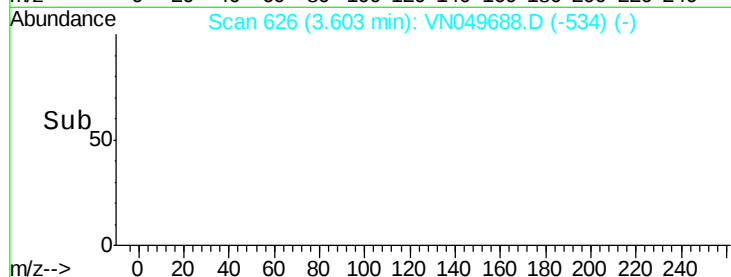
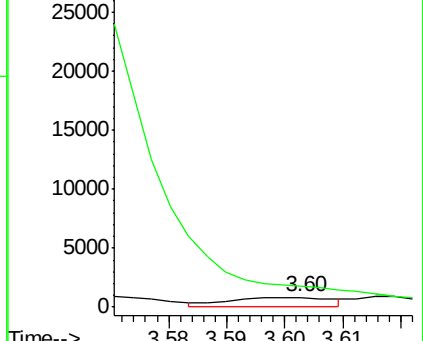
56 100

55 0.0 55.8 83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0



#14

Allyl chloride

Concen: 0.43 ug/l

RT: 4.40 min Scan# 875

Delta R.T. 0.08 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

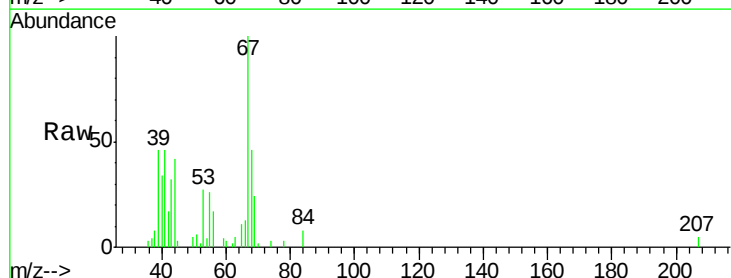
Tgt Ion: 41 Resp: 10047

Ion Ratio Lower Upper

41 100

39 112.7 53.2 79.8#

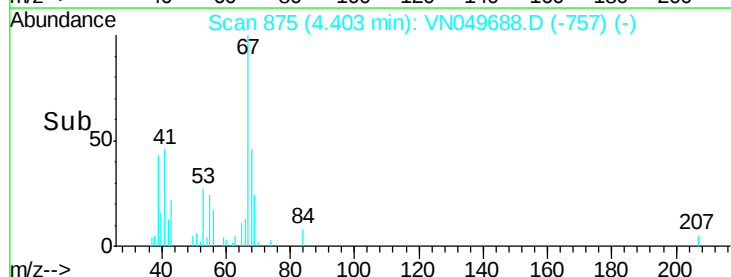
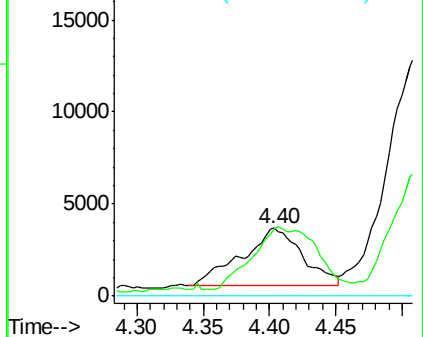
76 0.0 29.0 43.6#

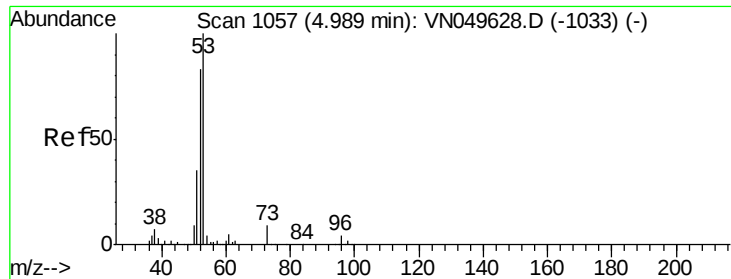


Abundance Ion 41.00 (40.70 to 41.70): VN0

Ion 39.00 (38.70 to 39.70): VN0

Ion 75.90 (75.60 to 76.60): VN0





#15

Acrylonitrile

Concen: 0.65 ug/l

RT: 5.02 min Scan# 1068

Delta R.T. 0.04 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampled :

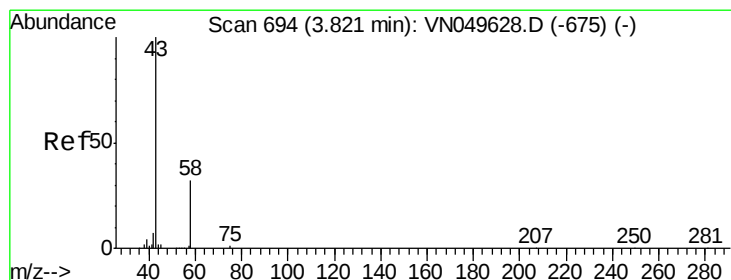
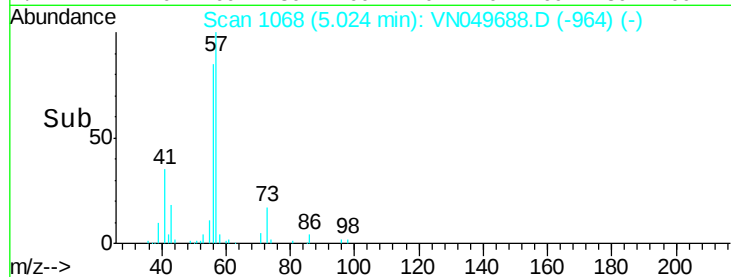
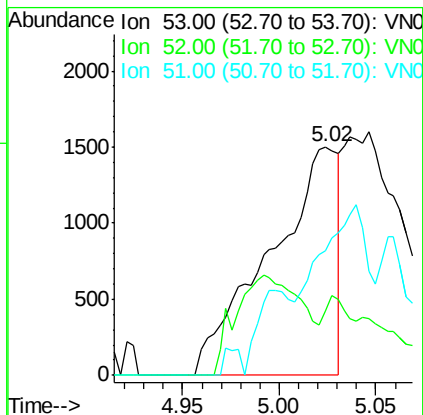
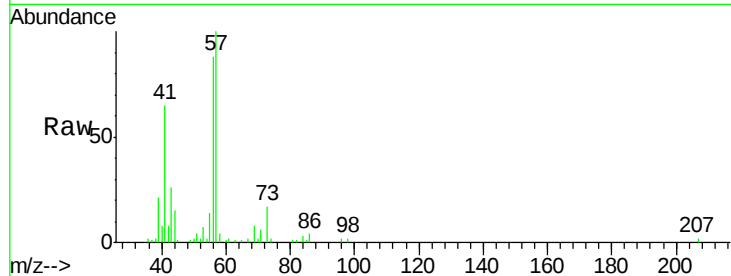
Tot Ion: 53 Resp: 3681

Ion Ratio Lower Upper

53 100

52 4.2 64.8 97.2#

51 56.5 28.9 43.3#



#16

Acetone

Concen: Below Cal

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049688.D

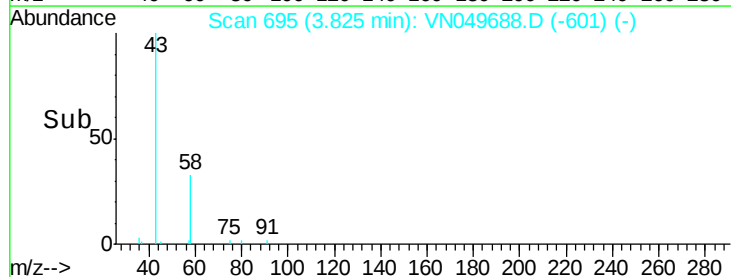
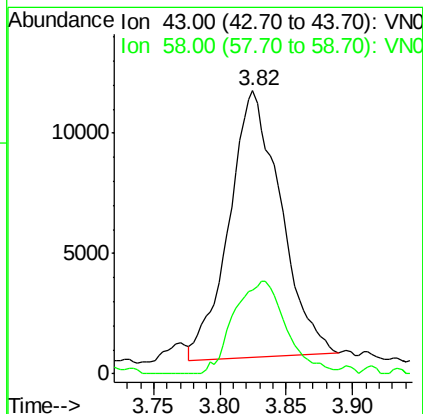
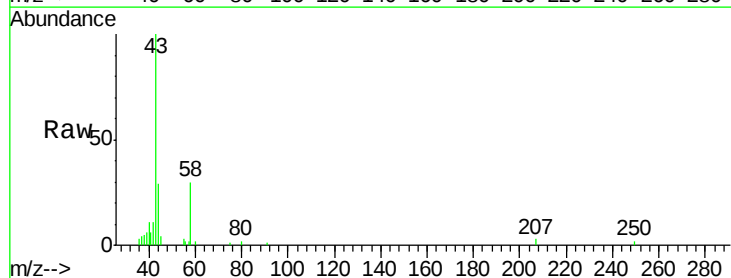
Acq: 3 Jul 2018 12:52

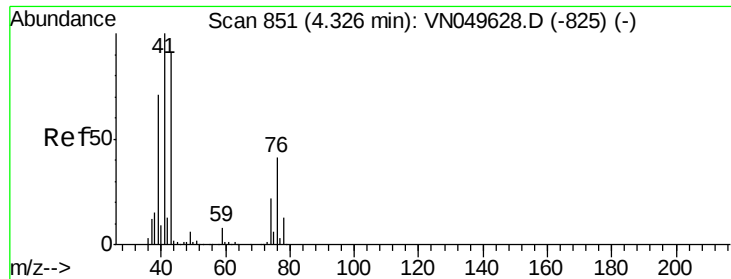
Tgt Ion: 43 Resp: 30002

Ion Ratio Lower Upper

43 100

58 31.9 25.9 38.9

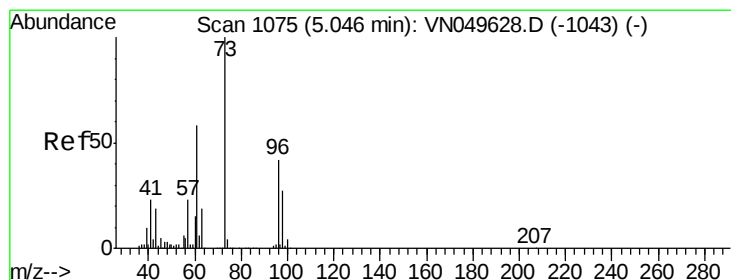
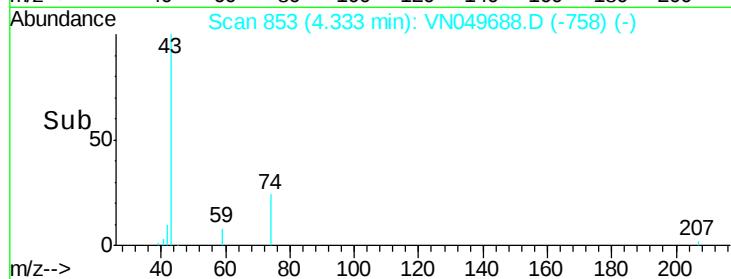
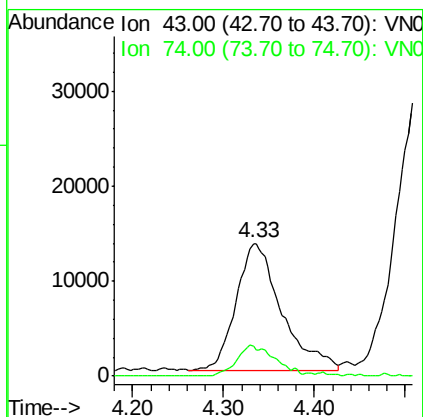
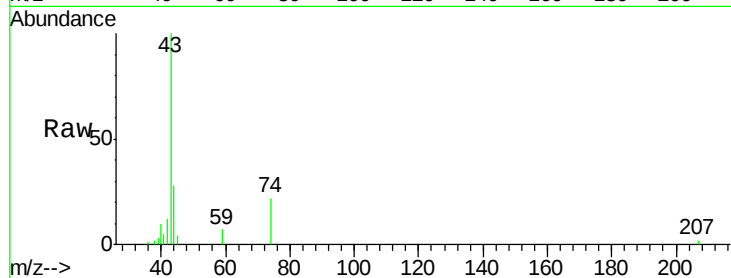




#18
Methyl Acetate
Concen: Below Cal
RT: 4.33 min Scan# 853
Delta R.T. 0.01 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

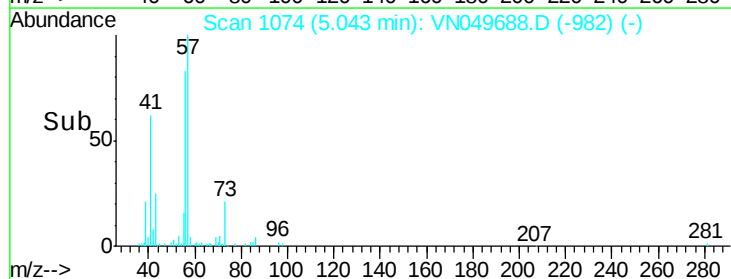
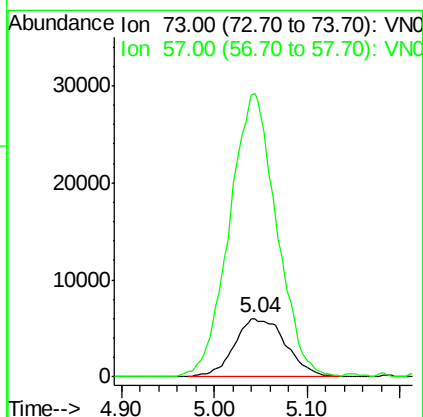
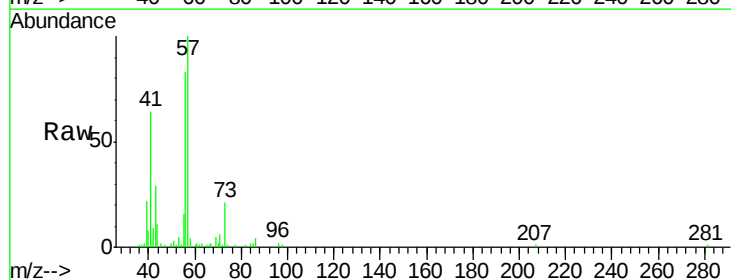
Instrument :
MSVOA_N
ClientSampled :

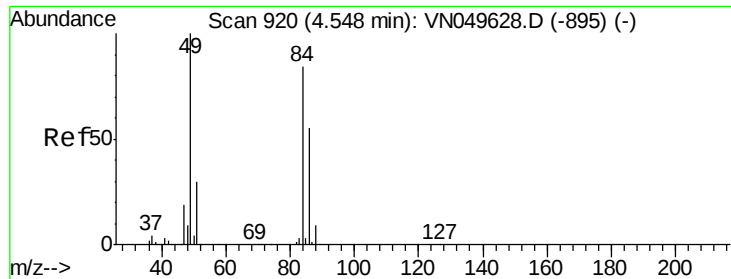
Tot Ion: 43 Resp: 46346
Ion Ratio Lower Upper
43 100
74 11.6 19.8 29.8#



#19
Methyl tert-butyl Ether
Concen: 0.53 ug/l
RT: 5.04 min Scan# 1074
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 73 Resp: 23201
Ion Ratio Lower Upper
73 100
57 482.0 18.1 27.1#

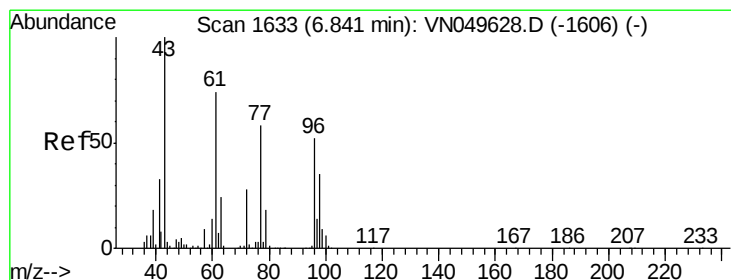
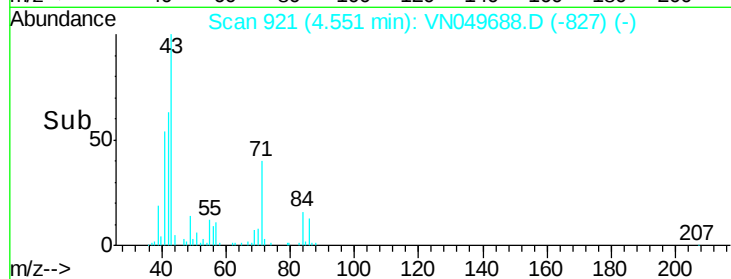
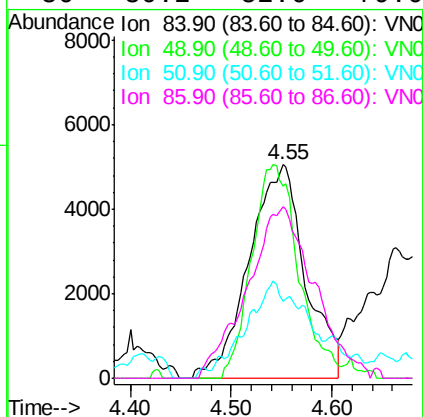
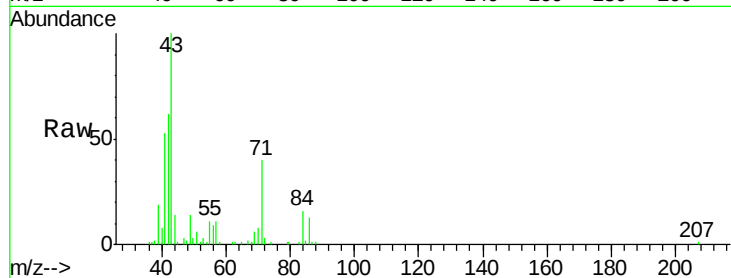




#20
Methvlene Chloride
Concen: 0.99 ug/l
RT: 4.55 min Scan# 921
Delta R.T. 0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

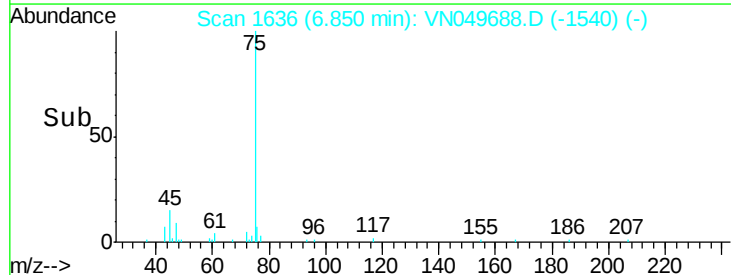
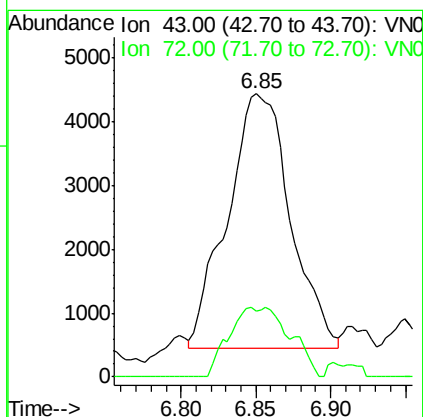
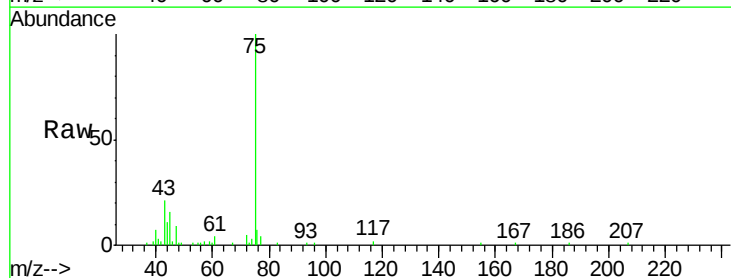
Instrument :
MSVOA_N
ClientSampled :

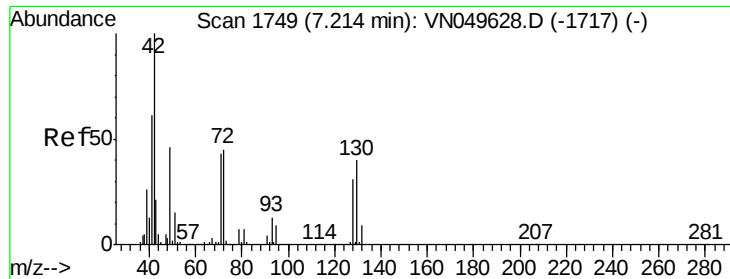
Tot Ion: 84 Resp: 19584
Ion Ratio Lower Upper
84 100
49 89.9 95.4 143.2#
51 35.9 28.4 42.6
86 80.2 52.6 79.0#



#25
2-Butanone
Concen: 1.83 ug/l
RT: 6.85 min Scan# 1636
Delta R.T. 0.01 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 43 Resp: 11710
Ion Ratio Lower Upper
43 100
72 26.9 22.1 33.1

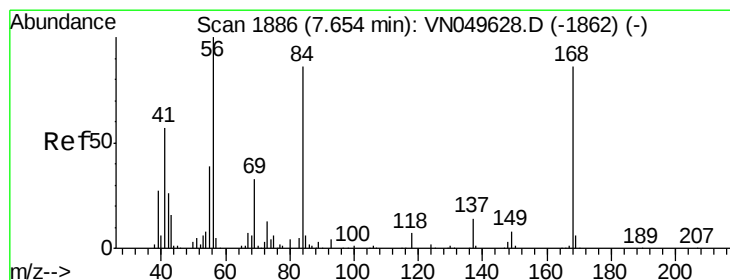
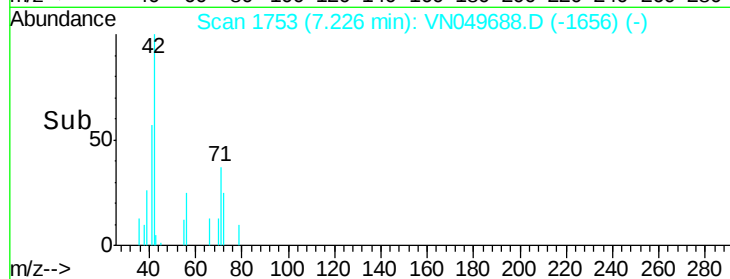
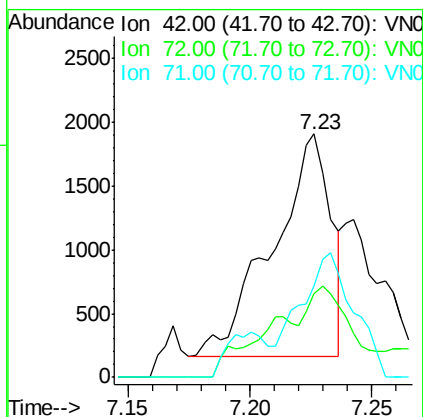
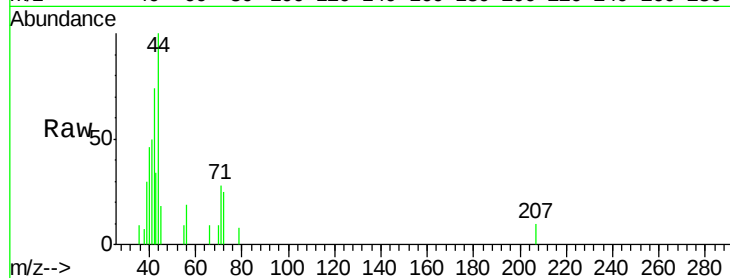




#29
Tetrahydrofuran
Concen: 0.70 ug/l
RT: 7.23 min Scan# 1753
Delta R.T. 0.01 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

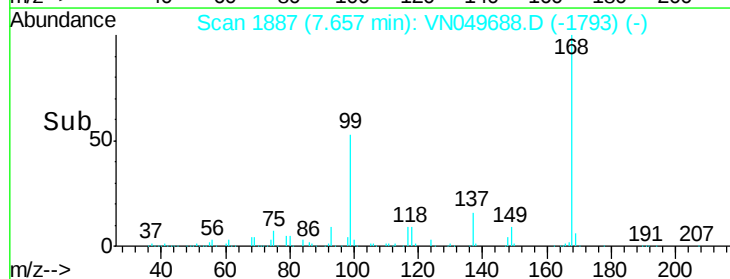
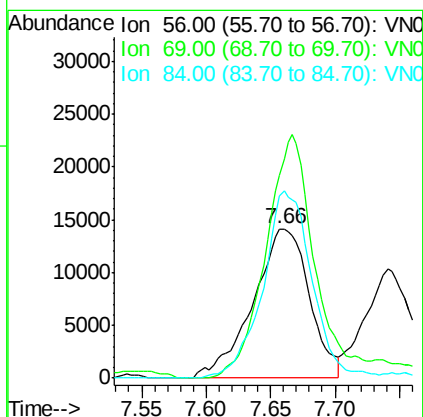
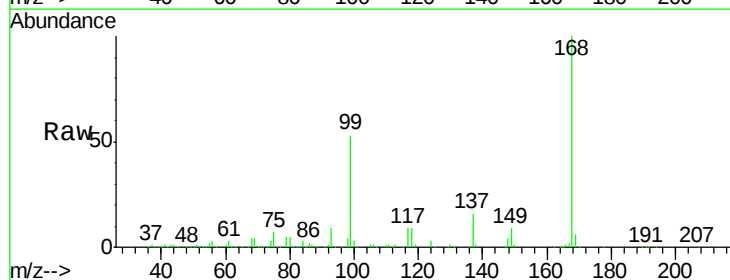
Instrument :
MSVOA_N
ClientSampled :

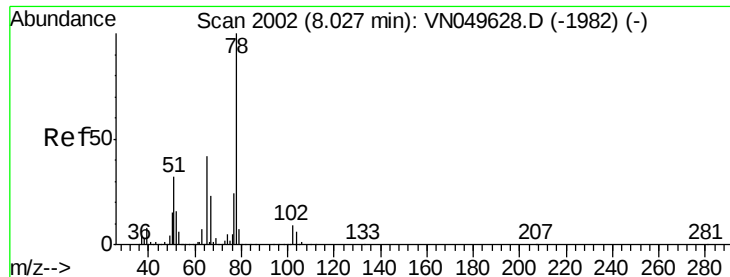
Tot Ion: 42 Resp: 2856
Ion Ratio Lower Upper
42 100
72 21.1 35.6 53.4#
71 51.8 34.0 51.0#



#31
Cyclohexane
Concen: 0.77 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 56 Resp: 42990
Ion Ratio Lower Upper
56 100
69 135.8 26.6 40.0#
84 122.5 69.0 103.6#





#33

1,2-Dichloroethane-d4

Concen: 50.80 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

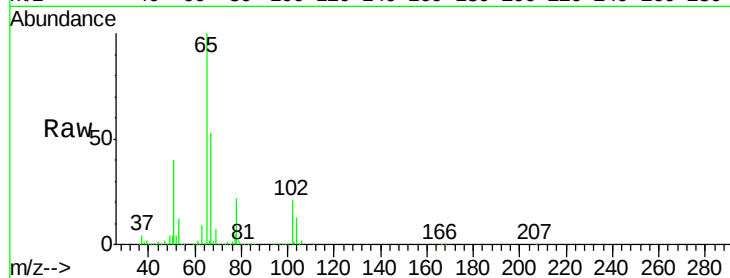
ClientSampleId :

Tot Ion: 65 Resp: 976594

Ion Ratio Lower Upper

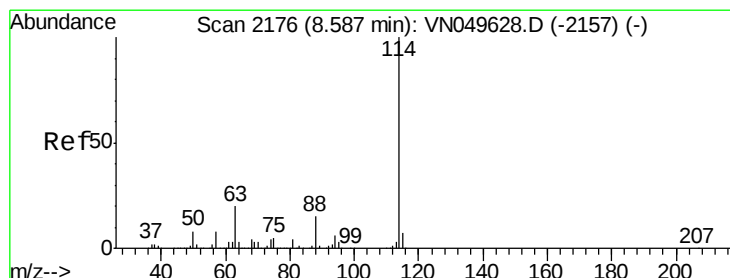
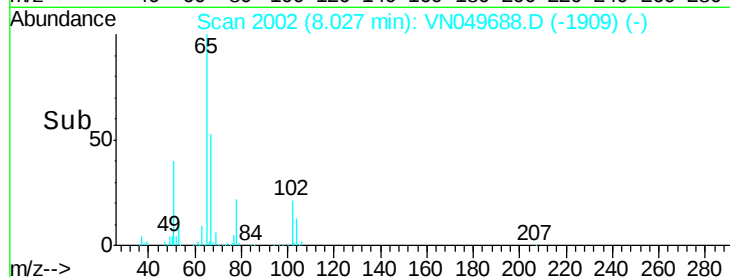
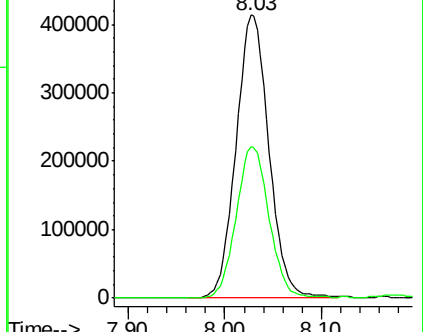
65 100

67 53.5 0.0 107.2



Abundance Ion 64.90 (64.60 to 65.60): VN049688.D (-1982) (-)

Ion 66.90 (66.60 to 67.60): VN049688.D (-1982) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

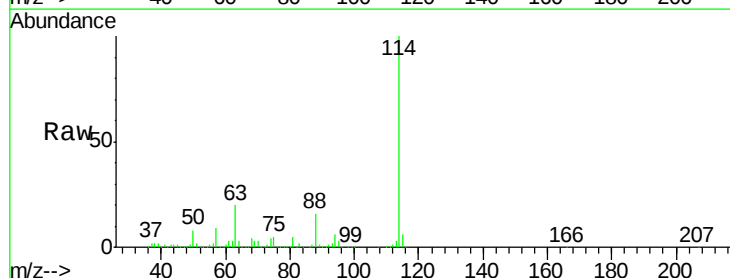
Tgt Ion: 114 Resp: 2267513

Ion Ratio Lower Upper

114 100

63 20.1 0.0 39.8

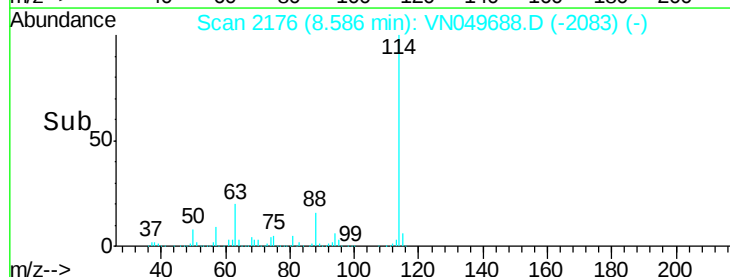
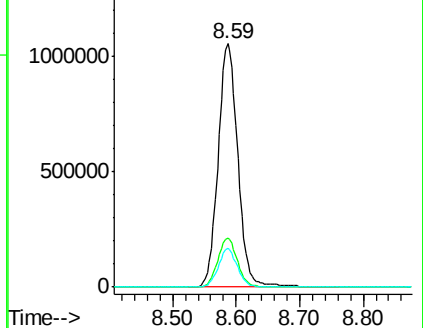
88 15.7 0.0 30.6

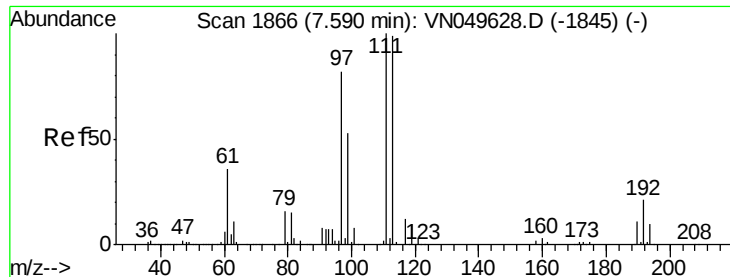


Abundance Ion 113.90 (113.60 to 114.60): VN049688.D (-2157) (-)

Ion 63.00 (62.70 to 63.70): VN049688.D (-2157) (-)

Ion 87.90 (87.60 to 88.60): VN049688.D (-2157) (-)

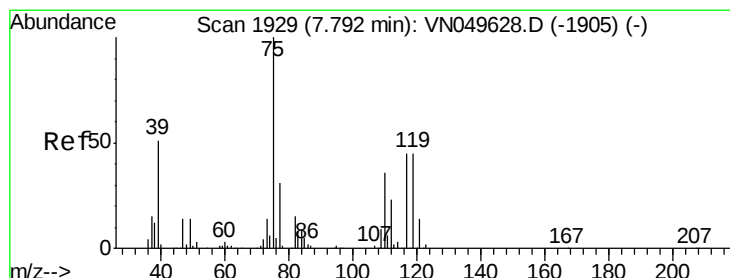
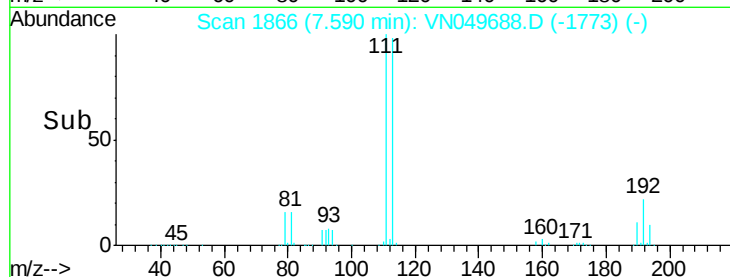
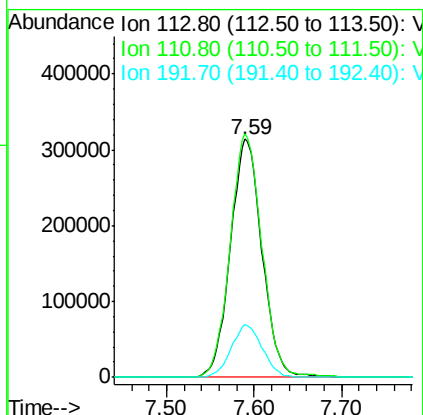
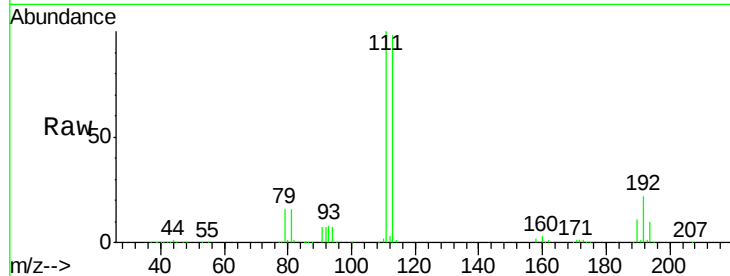




#35
 Dibromofluoromethane
 Concen: 46.36 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

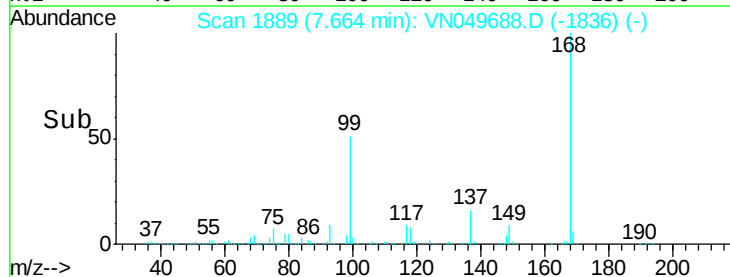
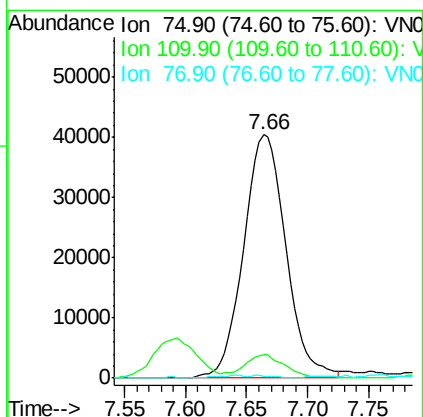
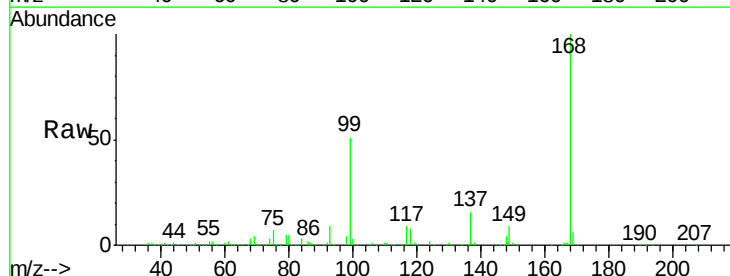
Instrument :
 MSVOA_N
 ClientSampleId :

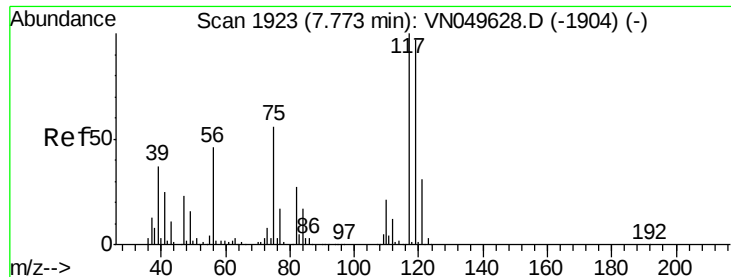
Tot Ion:113 Resp: 785891
 Ion Ratio Lower Upper
 113 100
 111 103.2 81.8 122.8
 192 21.8 17.8 26.6



#36
 1,1-Dichloropropene
 Concen: 3.81 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Tgt Ion: 75 Resp: 97088
 Ion Ratio Lower Upper
 75 100
 110 8.4 18.1 54.4#
 77 0.0 24.9 37.3#

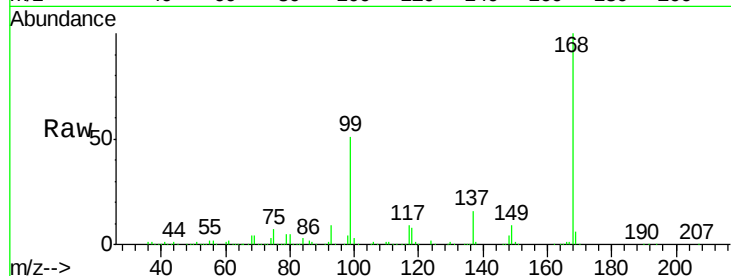




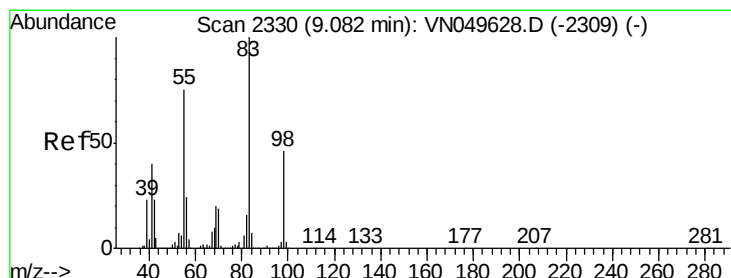
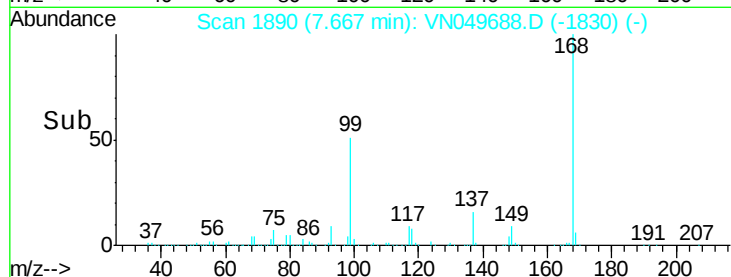
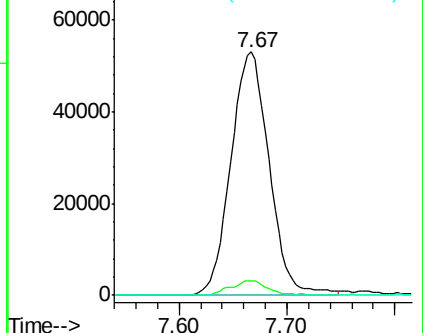
#38
Carbon Tetrachloride
Concen: 5.29 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 131293
Ion Ratio Lower Upper
117 100
119 5.9 77.2 115.8#
121 0.0 25.0 37.6#

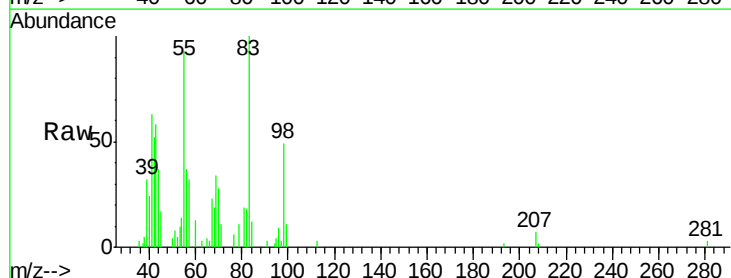


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

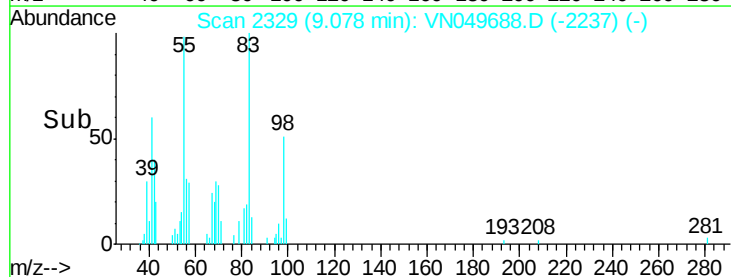
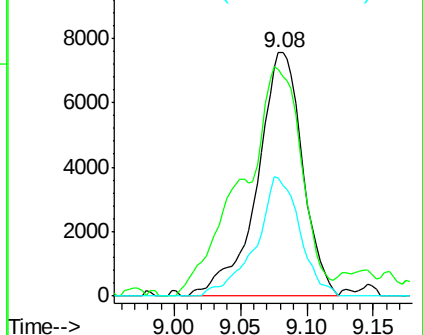


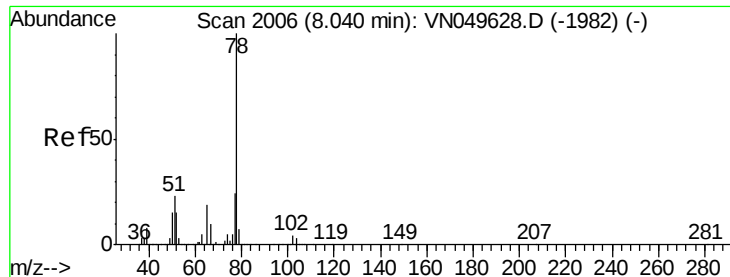
#39
Methylcyclohexane
Concen: 0.64 ug/l
RT: 9.08 min Scan# 2329
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 83 Resp: 18040
Ion Ratio Lower Upper
83 100
55 86.5 59.7 89.5
98 48.5 36.5 54.7



Abundance Ion 83.00 (82.70 to 83.70): VNO
Ion 55.00 (54.70 to 55.70): VNO
Ion 98.00 (97.70 to 98.70): VNO





#40

Benzene

Concen: 4.30 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

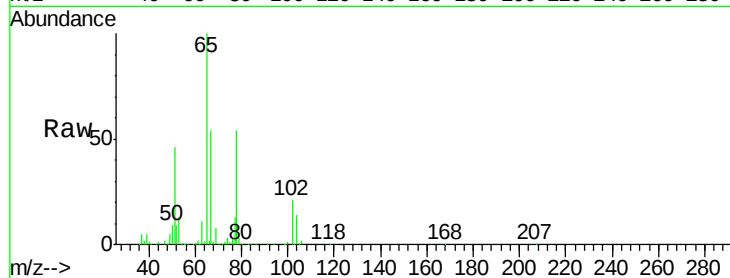
ClientSampleId :

Tot Ion: 78 Resp: 335287

Ion Ratio Lower Upper

78 100

77 23.6 19.0 28.4



Abundance Ion 78.00 (77.70 to 78.70): VN0

Ion 77.00 (76.70 to 77.70): VN0

8.04

150000

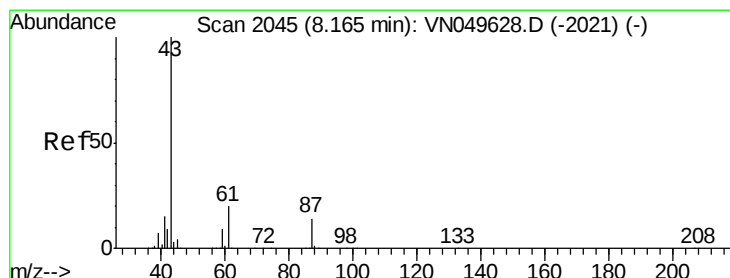
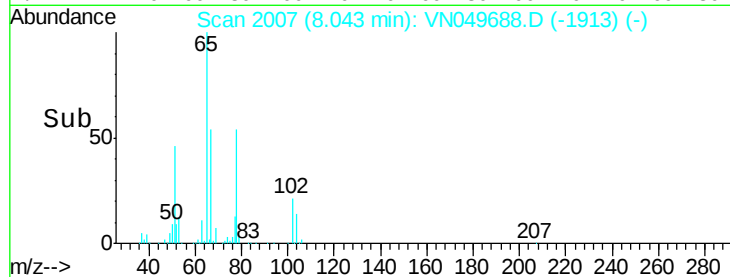
100000

50000

0

8.00 8.10

Time-->



#43

Isopropyl Acetate

Concen: Below Cal

RT: 8.15 min Scan# 2041

Delta R.T. -0.01 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

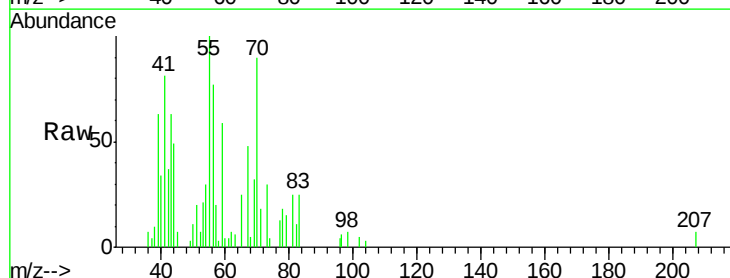
Tgt Ion: 43 Resp: 4624

Ion Ratio Lower Upper

43 100

61 0.0 14.9 22.3#

87 0.0 10.0 15.0#



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

30000

25000

20000

15000

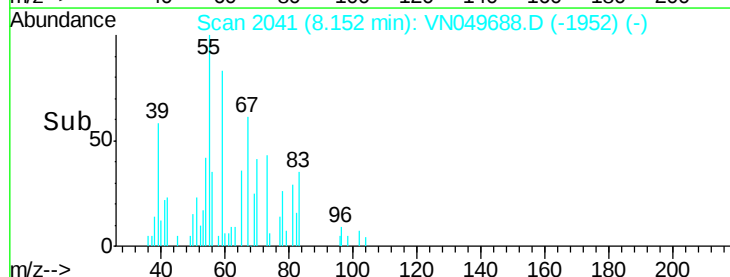
10000

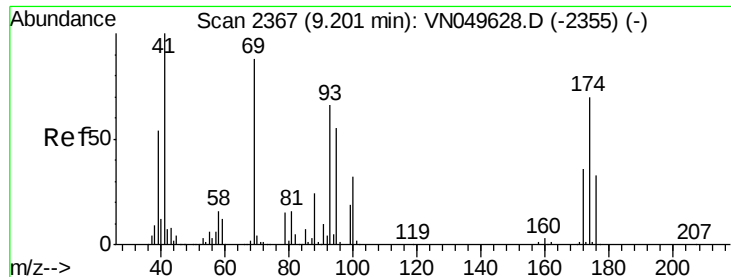
5000

0

8.10 8.15

Time-->

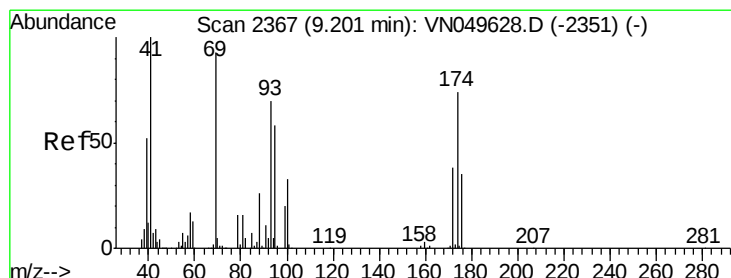
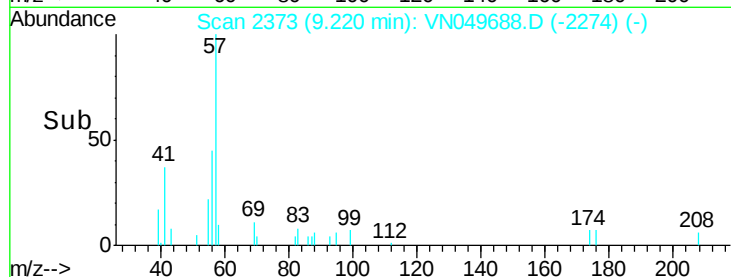
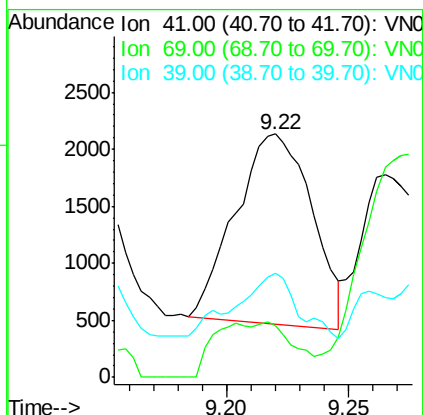
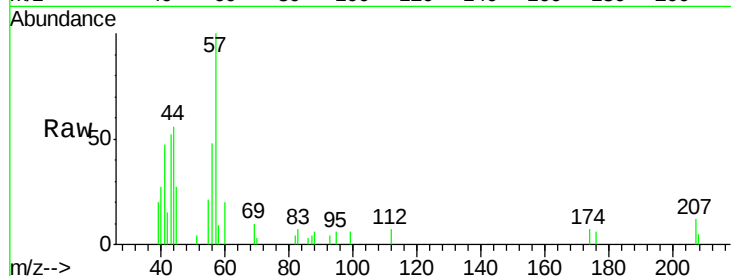




#48
Methyl methacrylate
Concen: 0.28 ug/l
RT: 9.22 min Scan# 2373
Delta R.T. 0.02 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

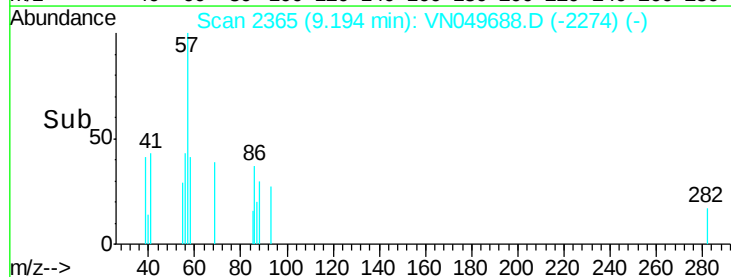
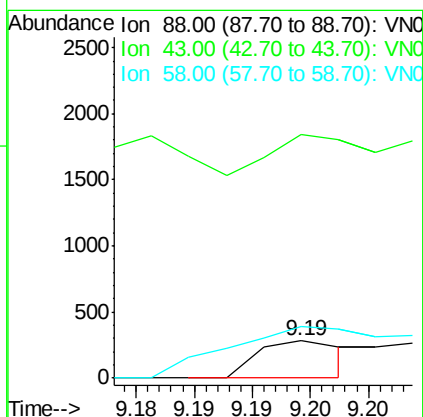
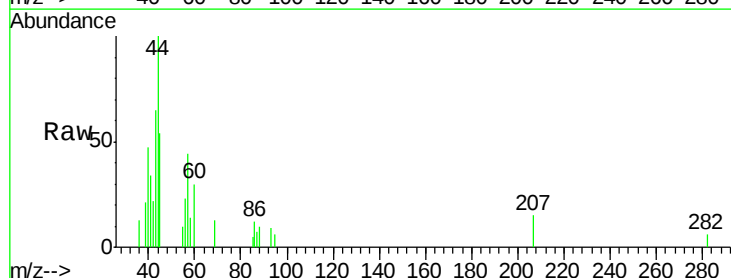
Instrument :
MSVOA_N
ClientSampled :

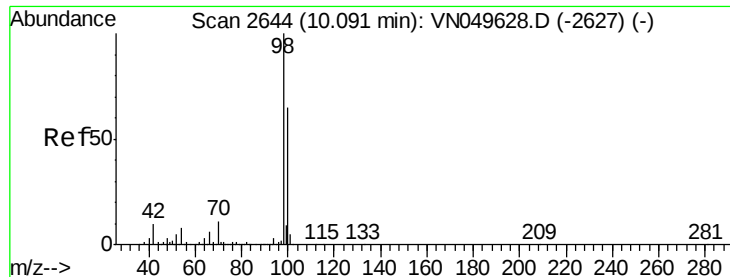
Tot Ion: 41 Resp: 3642
Ion Ratio Lower Upper
41 100
69 15.2 71.5 107.3#
39 27.5 44.7 67.1#



#49
1,4-Dioxane
Concen: 0.82 ug/l
RT: 9.19 min Scan# 2365
Delta R.T. -0.01 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 88 Resp: 145
Ion Ratio Lower Upper
88 100
43 165.5 25.1 37.7#
58 234.5 52.5 78.7#





#50

Toluene-d8

Concen: 46.70 ug/l

RT: 10.09 min Scan# 2645

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

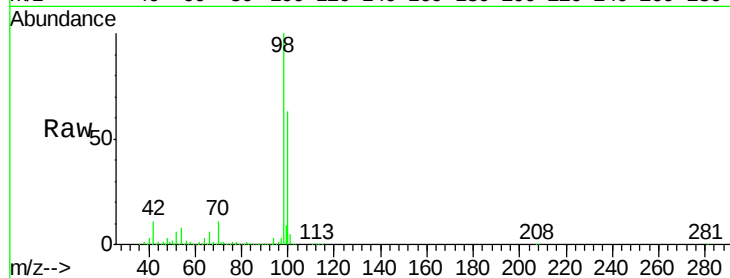
ClientSampled :

Tot Ion: 98 Resp: 3098757

Ion Ratio Lower Upper

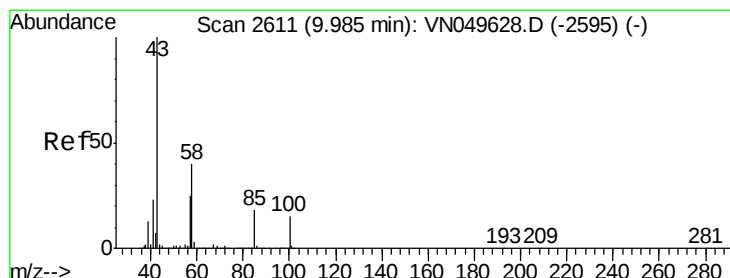
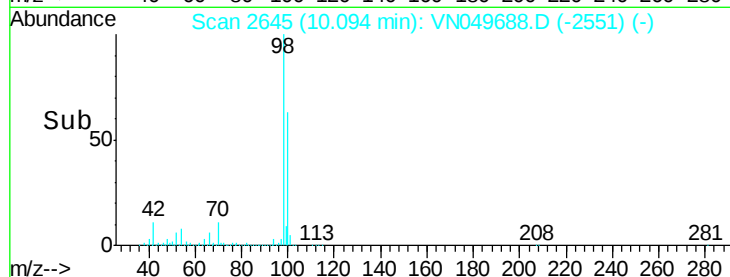
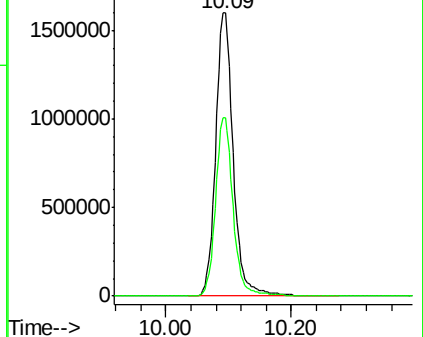
98 100

100 63.2 51.7 77.5



Abundance Ion 98.00 (97.70 to 98.70): VN049628.D (-2627) (-)

Ion 100.00 (99.70 to 100.70): VN049628.D (-2627) (-)



#51

4-Methyl-2-Pentanone

Concen: 0.48 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049688.D

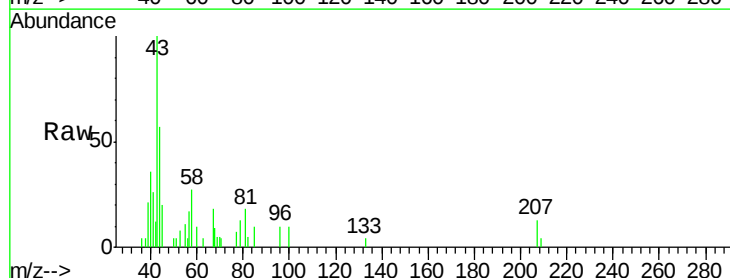
Acq: 3 Jul 2018 12:52

Tgt Ion: 43 Resp: 7066

Ion Ratio Lower Upper

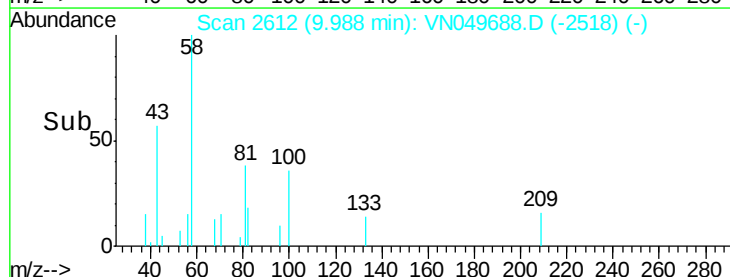
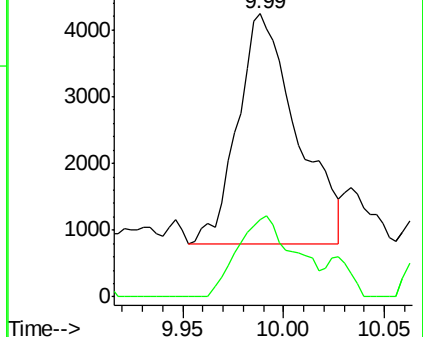
43 100

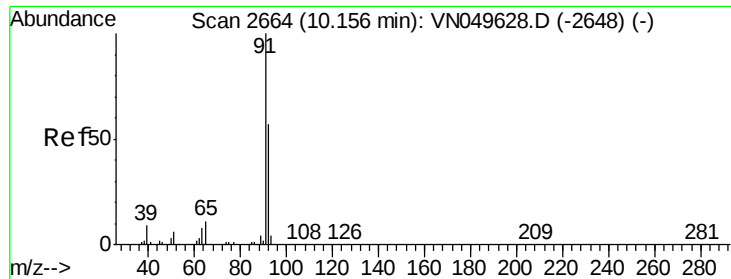
58 33.7 31.8 47.8



Abundance Ion 43.00 (42.70 to 43.70): VN049628.D (-2595) (-)

Ion 58.00 (57.70 to 58.70): VN049628.D (-2595) (-)





#52

Toluene

Concen: 67.01 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

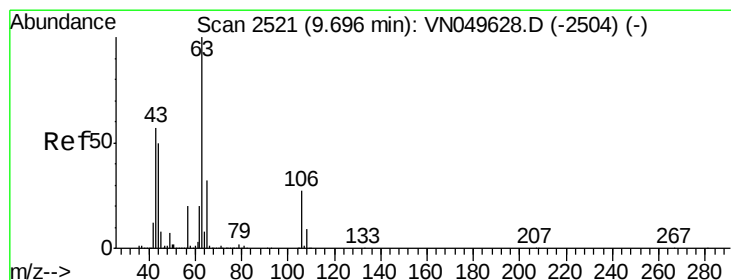
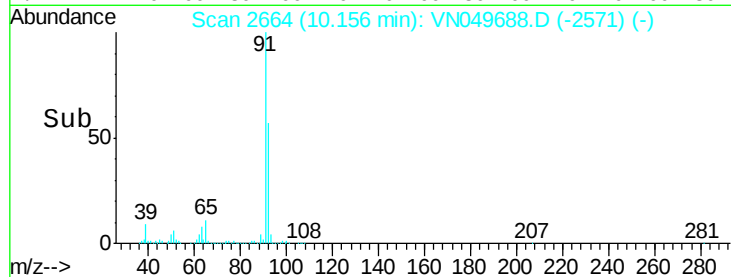
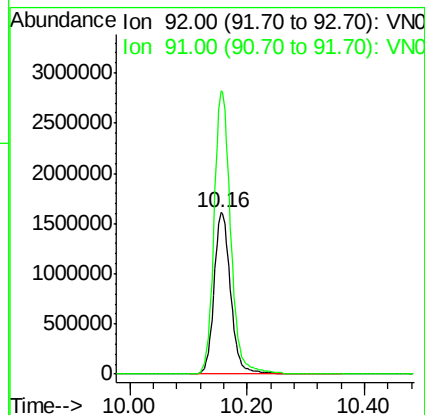
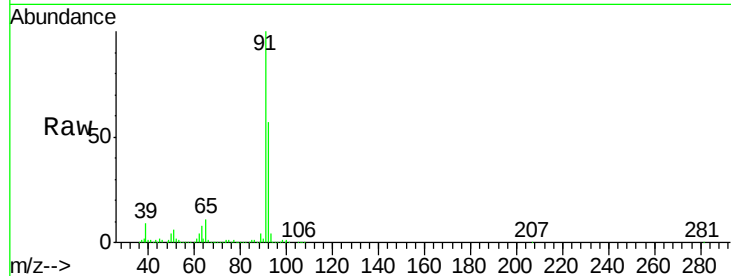
ClientSampled :

Tot Ion: 92 Resp: 3153536

Ion Ratio Lower Upper

92 100

91 175.3 140.1 210.1



#58

2-Chloroethyl Vinyl ether

Concen: 10.89 ug/l

RT: 9.71 min Scan# 2525

Delta R.T. 0.01 min

Lab File: VN049688.D

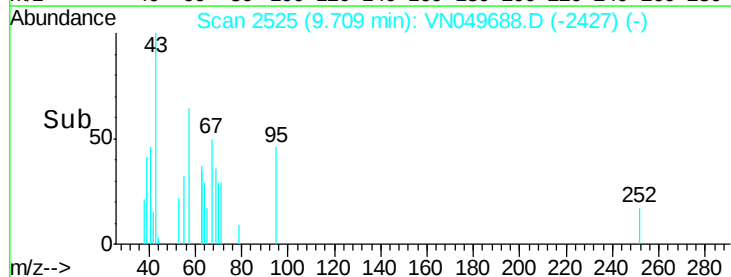
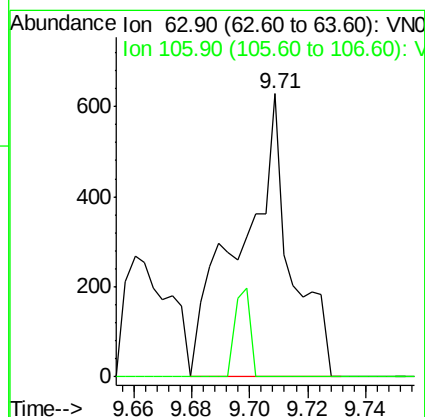
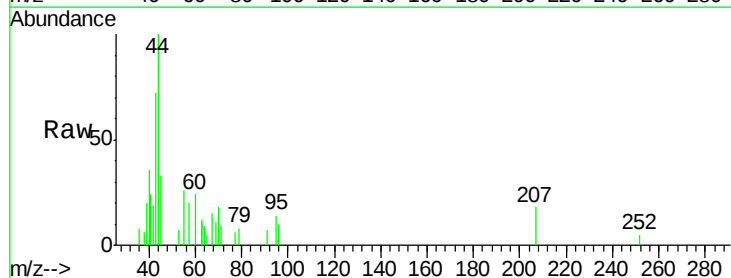
Acq: 3 Jul 2018 12:52

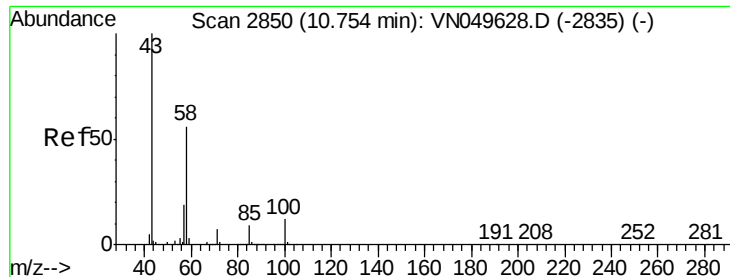
Tgt Ion: 63 Resp: 758

Ion Ratio Lower Upper

63 100

106 9.5 21.8 32.8#





#59

2-Hexanone

Concen: 0.65 ug/l

RT: 10.75 min Scan# 2850

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

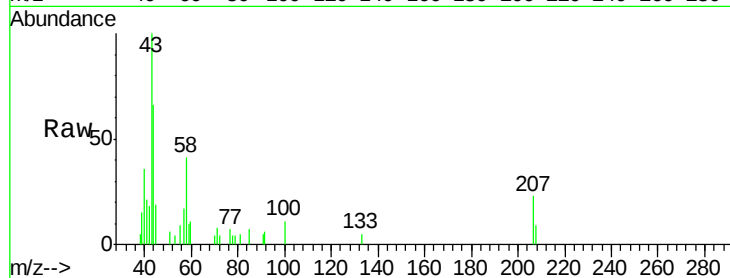
ClientSampled :

Tot Ion: 43 Resp: 6301

Ion Ratio Lower Upper

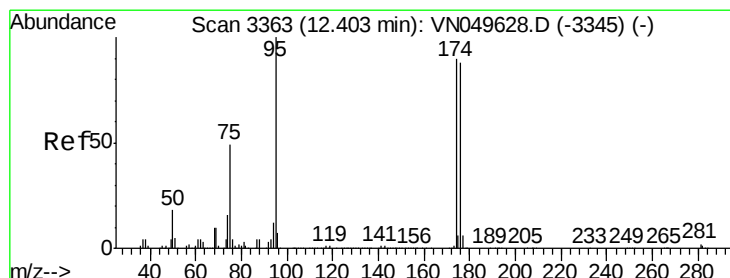
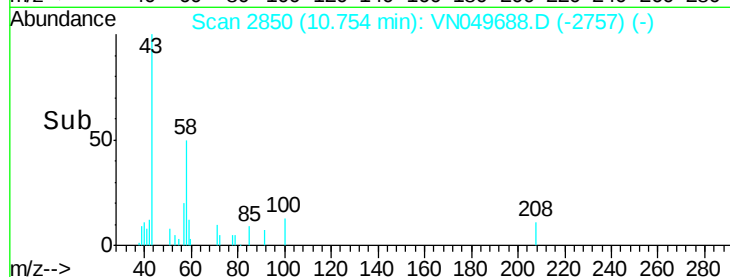
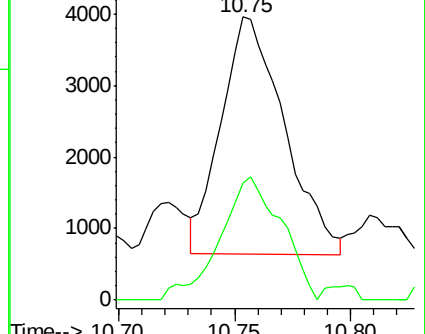
43 100

58 50.5 27.8 83.4



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#62

4-Bromofluorobenzene

Concen: 42.22 ug/l

RT: 12.41 min Scan# 3364

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

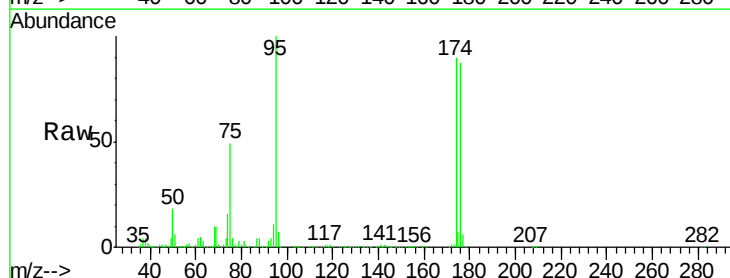
Tgt Ion: 95 Resp: 956522

Ion Ratio Lower Upper

95 100

174 90.3 0.0 179.6

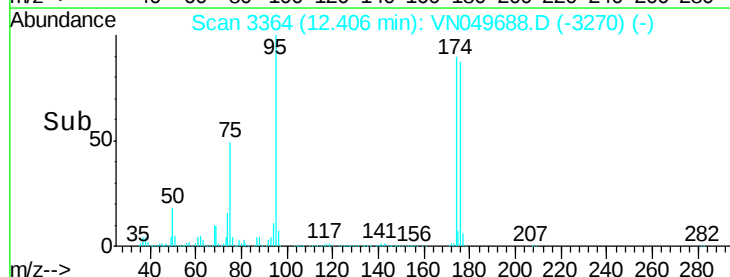
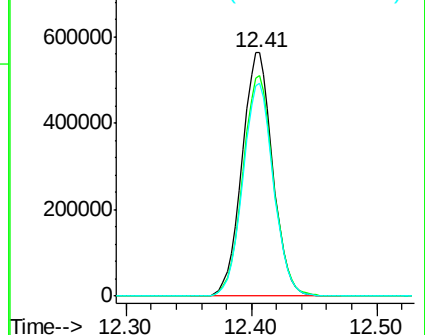
176 87.3 0.0 174.0

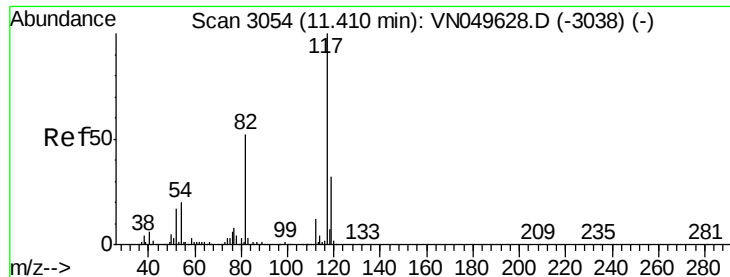


Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): V

Ion 175.80 (175.50 to 176.50): V

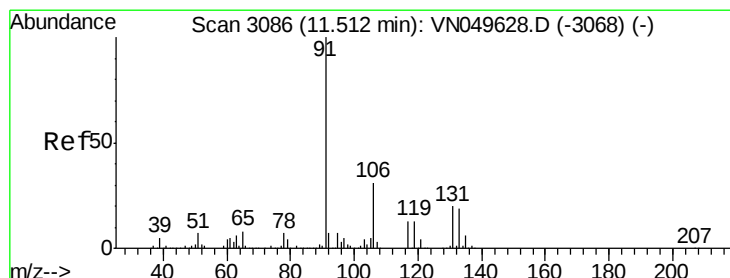
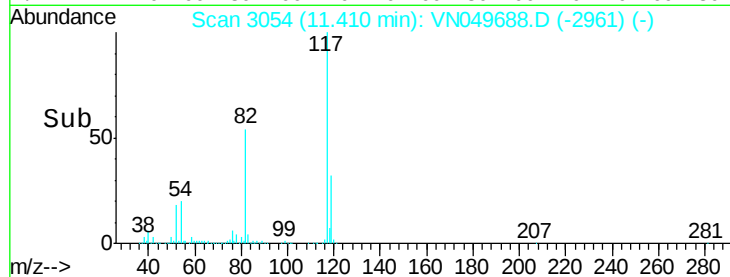
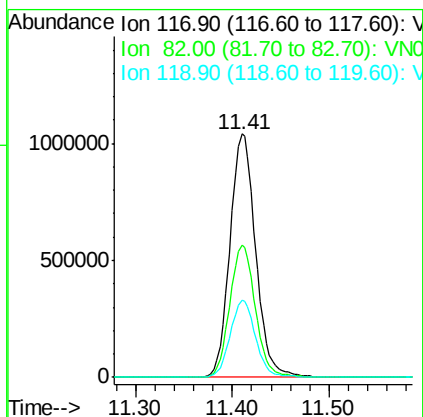
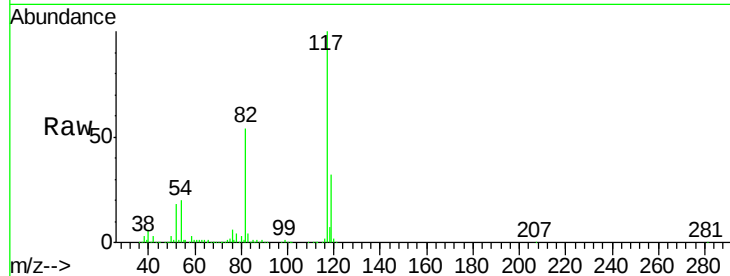




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

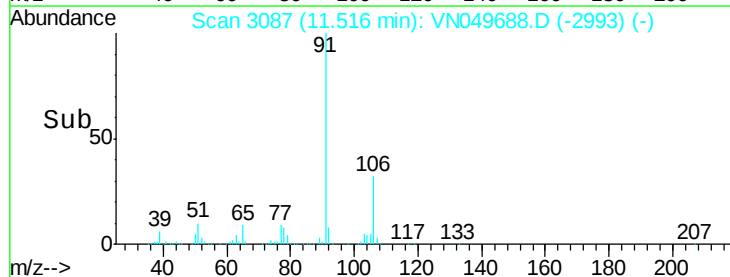
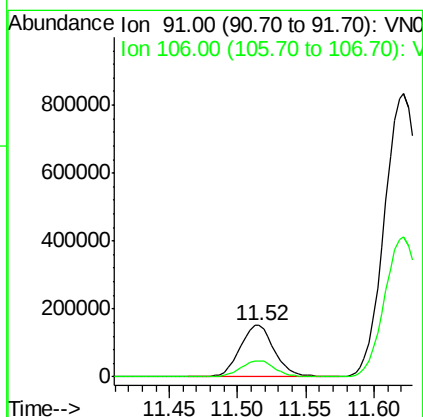
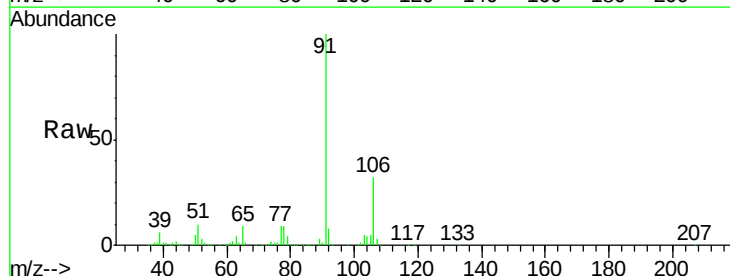
Instrument :
MSVOA_N
ClientSampleId :

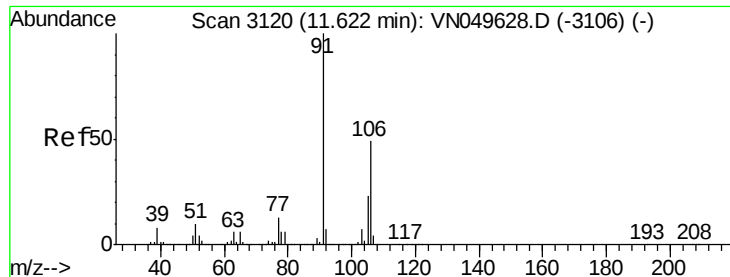
Tot Ion:117 Resp: 1921417
Ion Ratio Lower Upper
117 100
82 54.2 41.9 62.9
119 31.5 25.4 38.2



#67
Ethyl Benzene
Concen: 3.20 ug/l
RT: 11.52 min Scan# 3087
Delta R.T. 0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 91 Resp: 265114
Ion Ratio Lower Upper
91 100
106 31.9 24.8 37.2

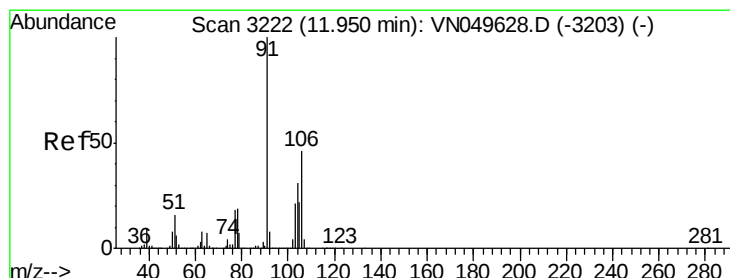
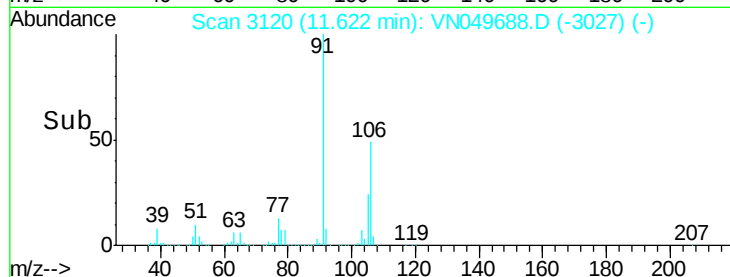
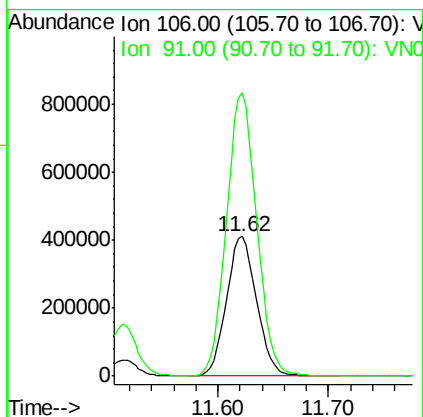
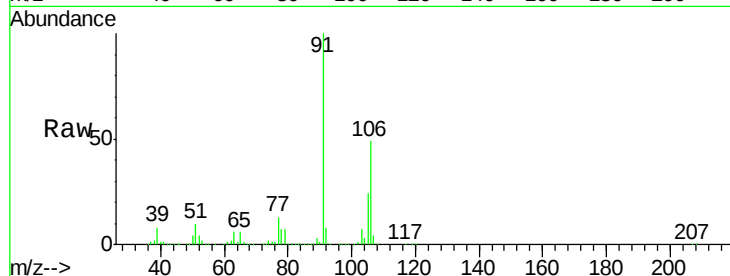




#68
m/p-Xvlenes
Concen: 24.53 ug/l
RT: 11.62 min Scan# 3120
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

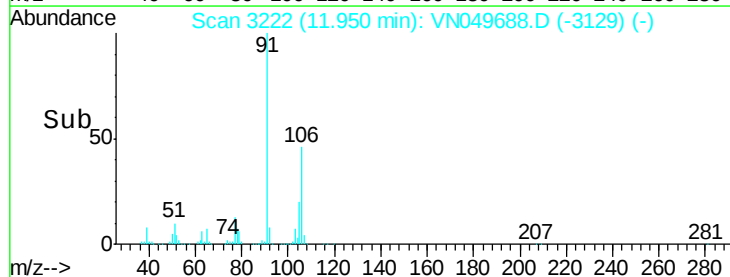
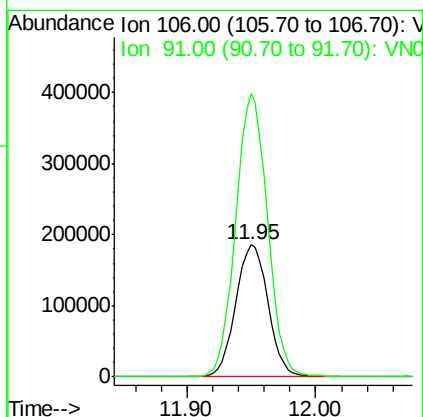
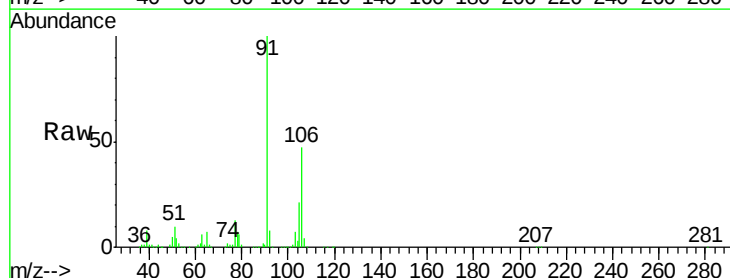
Instrument :
MSVOA_N
ClientSampleId :

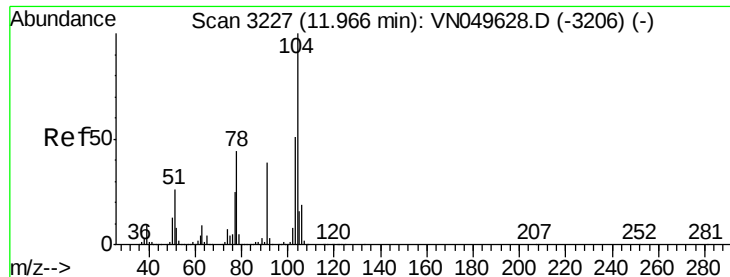
Tot Ion:106 Resp: 778753
Ion Ratio Lower Upper
106 100
91 203.3 163.4 245.2



#69
o-Xylene
Concen: 10.66 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion:106 Resp: 324072
Ion Ratio Lower Upper
106 100
91 210.3 108.7 326.1

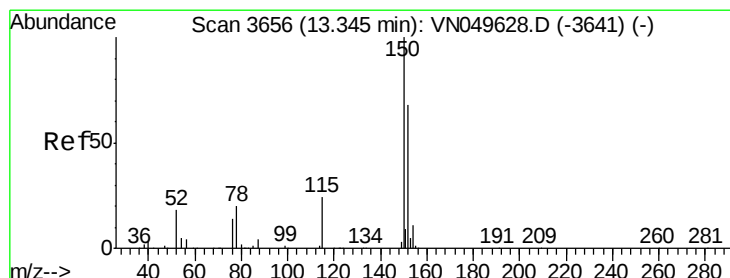
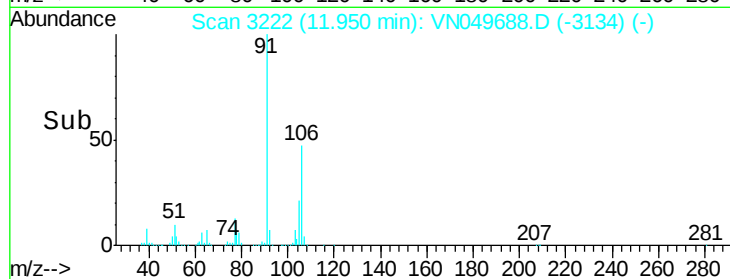
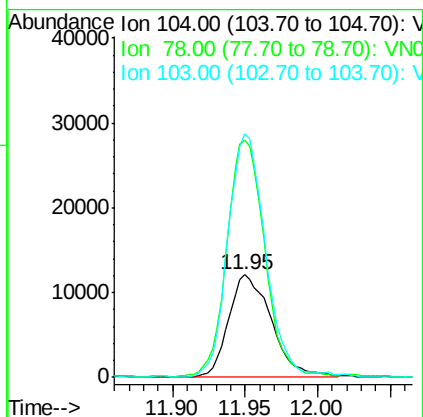
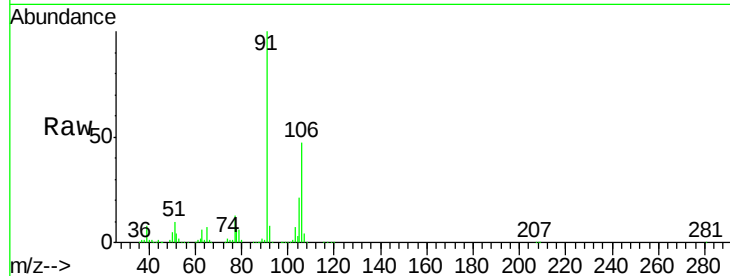




#70
Stvrene
Concen: 0.51 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

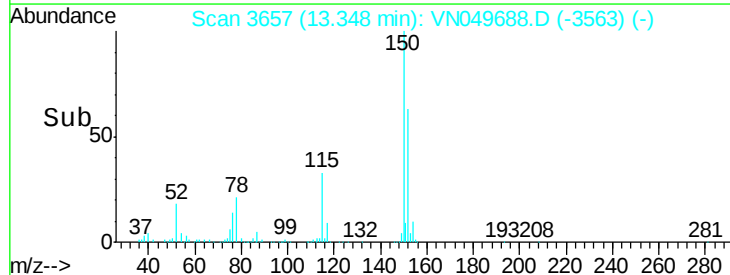
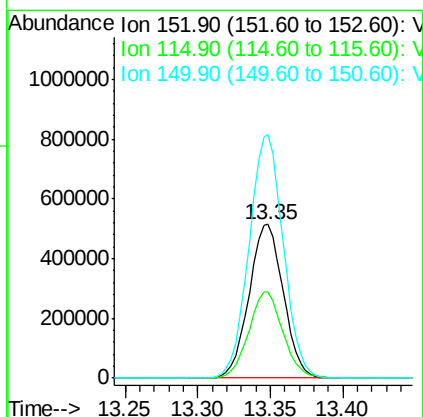
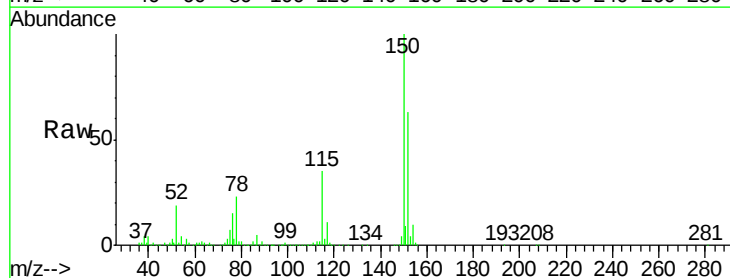
Instrument :
MSVOA_N
ClientSampleId :

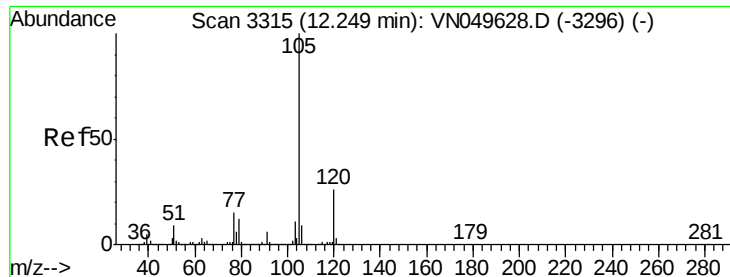
Tot Ion:104 Resp: 24932
Ion Ratio Lower Upper
104 100
78 204.9 39.2 58.8#
103 208.6 44.6 67.0#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3657
Delta R.T. 0.00 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion:152 Resp: 845932
Ion Ratio Lower Upper
152 100
115 56.1 28.1 84.2
150 157.9 0.0 347.6





#73

Isopropylbenzene

Concen: 0.63 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

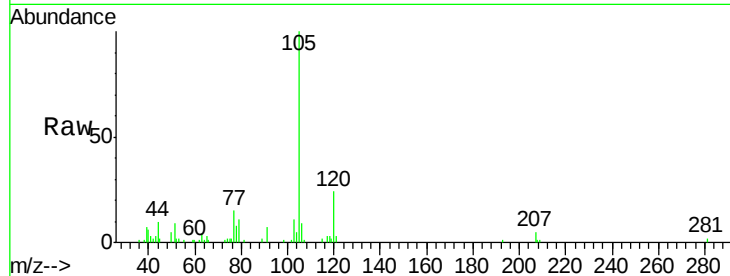
ClientSampled :

Tot Ion:105 Resp: 42326

Ion Ratio Lower Upper

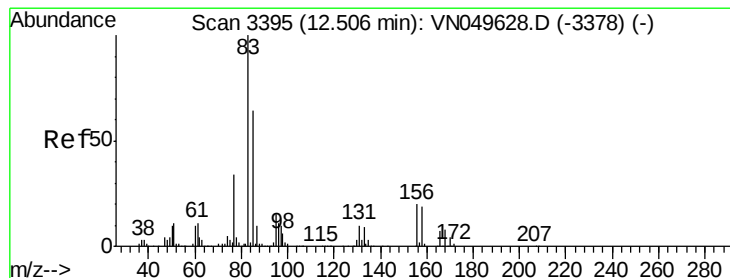
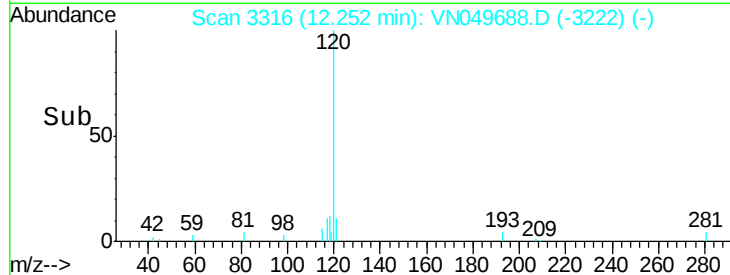
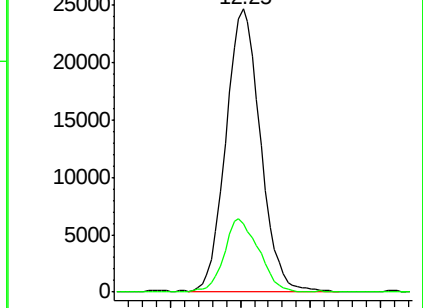
105 100

120 25.8 13.3 39.8



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

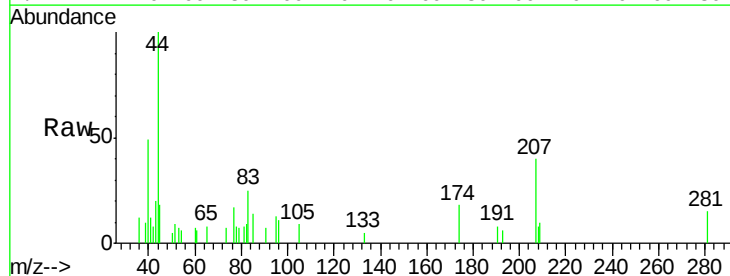
Tgt Ion: 83 Resp: 1278

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

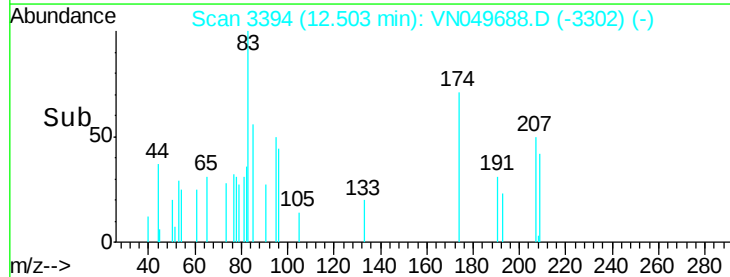
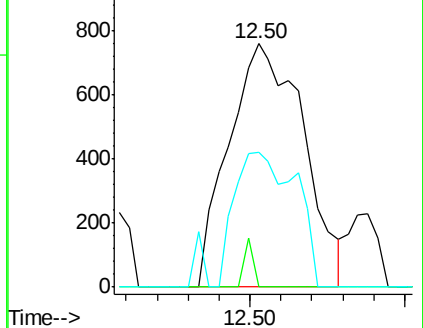
85 45.8 32.5 97.4

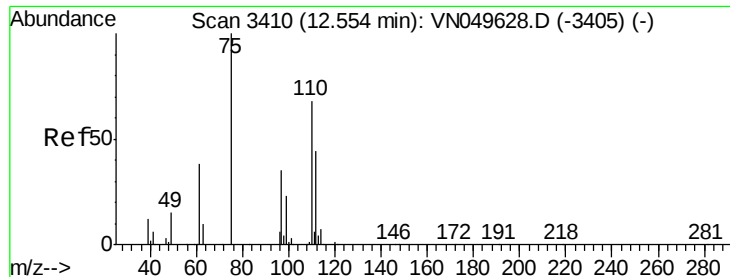


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 35.03 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

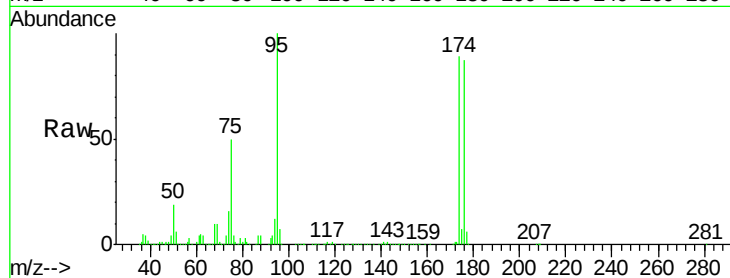
ClientSampleId :

Tot Ion: 75 Resp: 475196

Ion Ratio Lower Upper

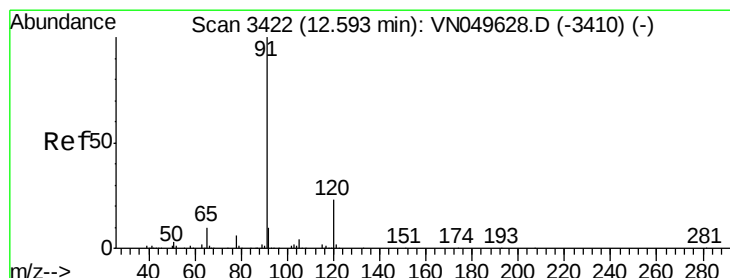
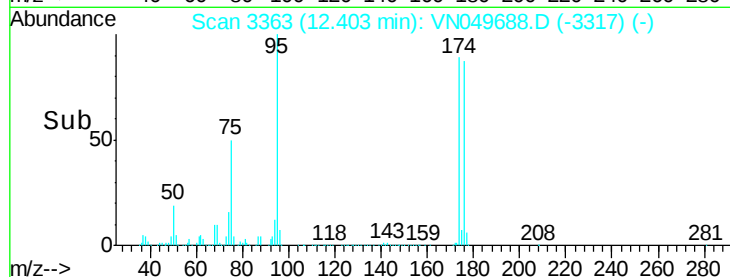
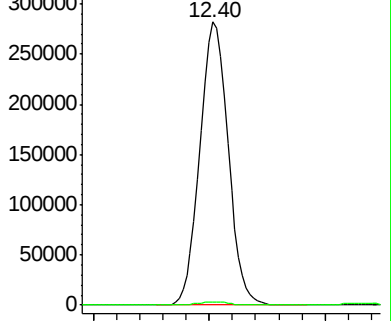
75 100

77 1.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0



#78

n-propylbenzene

Concen: 1.12 ug/l

RT: 12.60 min Scan# 3423

Delta R.T. 0.00 min

Lab File: VN049688.D

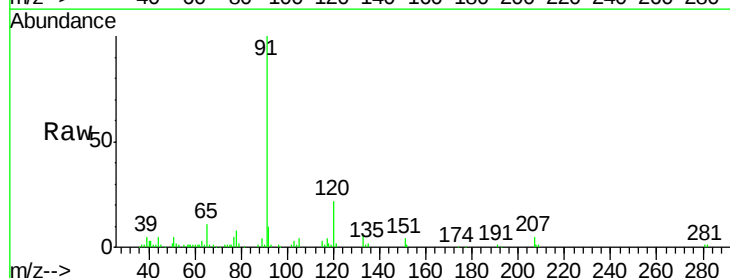
Acq: 3 Jul 2018 12:52

Tgt Ion: 91 Resp: 86863

Ion Ratio Lower Upper

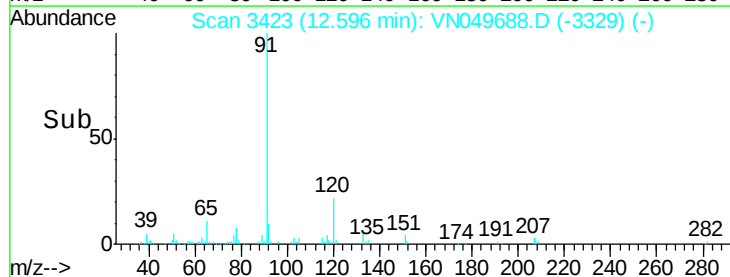
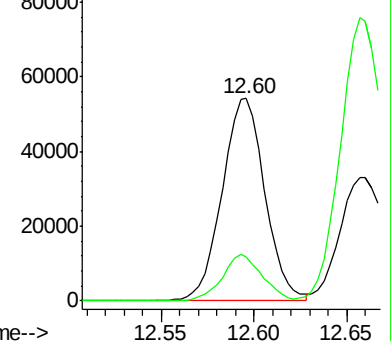
91 100

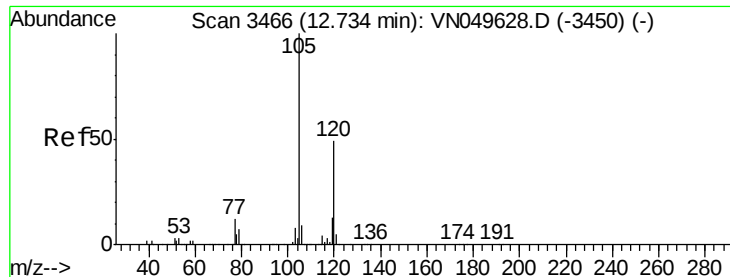
120 21.5 11.5 34.4



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: 4.38 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

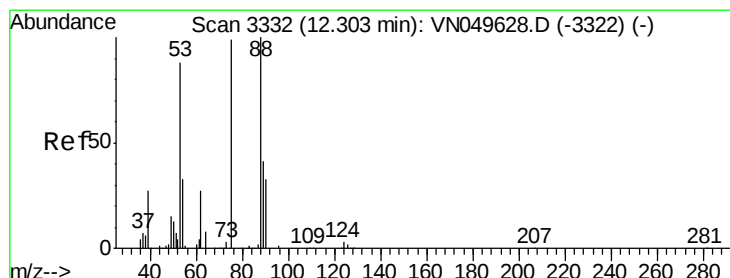
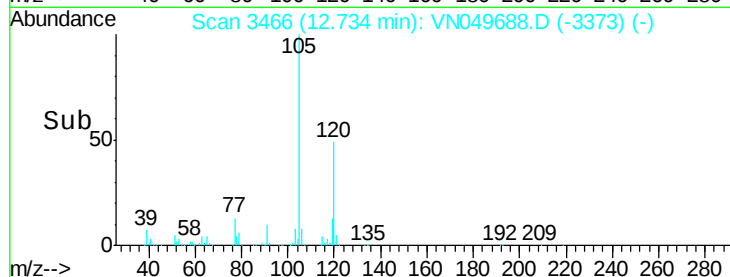
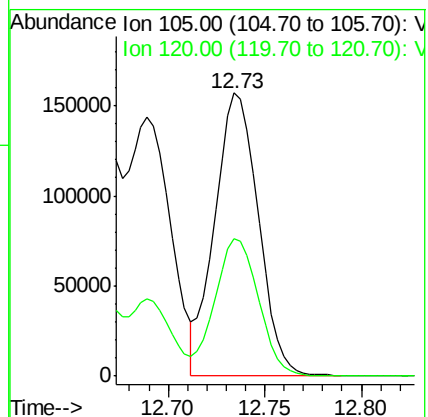
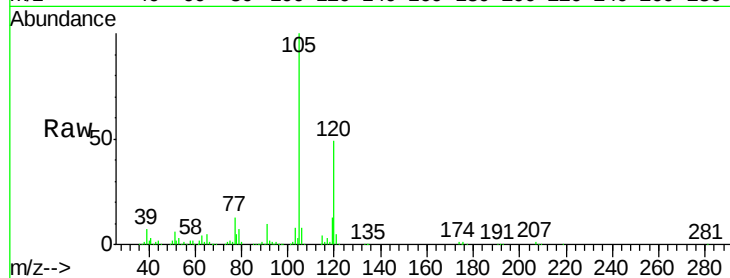
ClientSampled :

Tot Ion:105 Resp: 245509

Ion Ratio Lower Upper

105 100

120 48.8 24.3 72.8



#81

trans-1,4-Dichloro-2-butene

Concen: 118.96 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

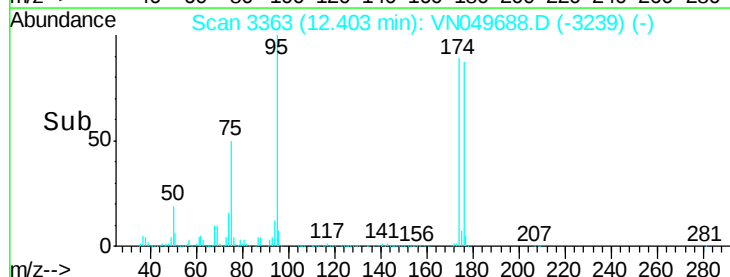
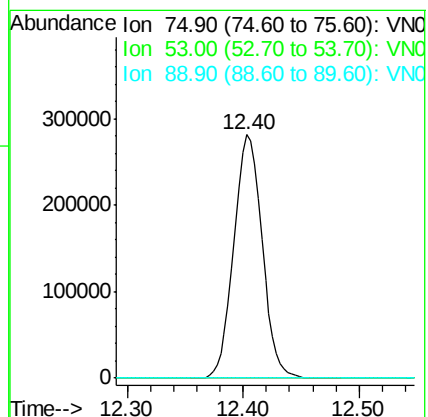
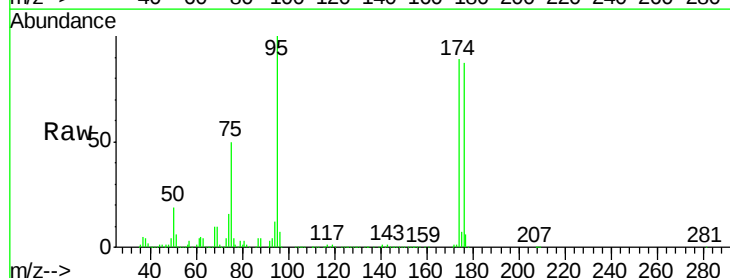
Tgt Ion: 75 Resp: 475196

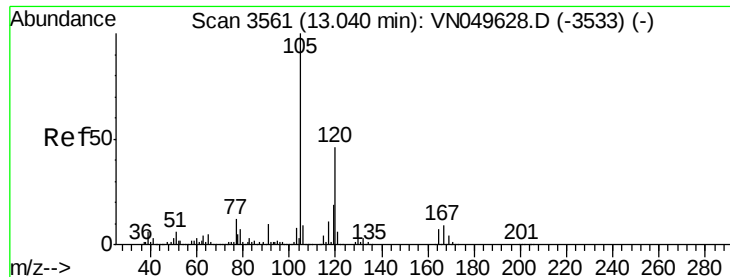
Ion Ratio Lower Upper

75 100

53 0.1 73.9 110.9#

89 0.0 35.9 53.9#

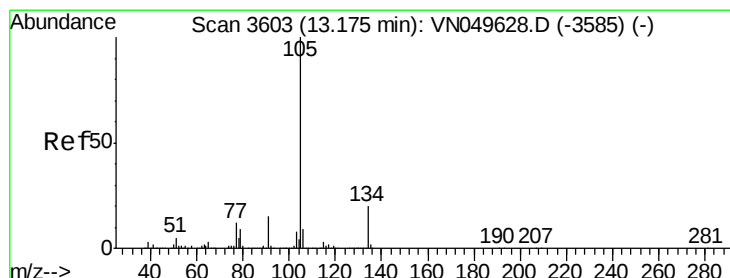
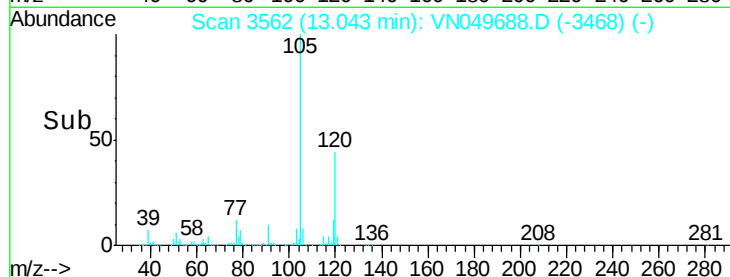
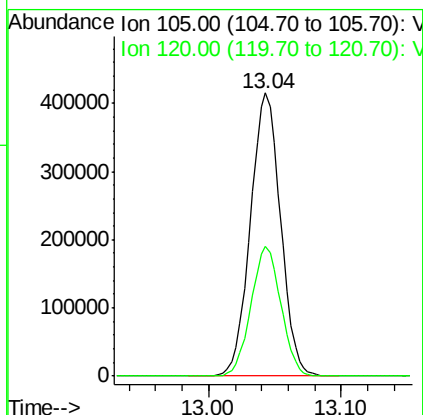
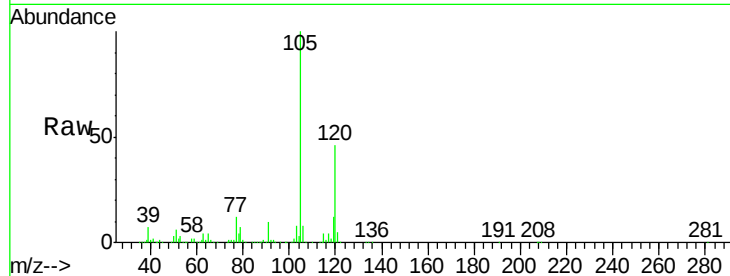




#84
 1,2,4-Trimethylbenzene
 Concen: 11.39 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. 0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

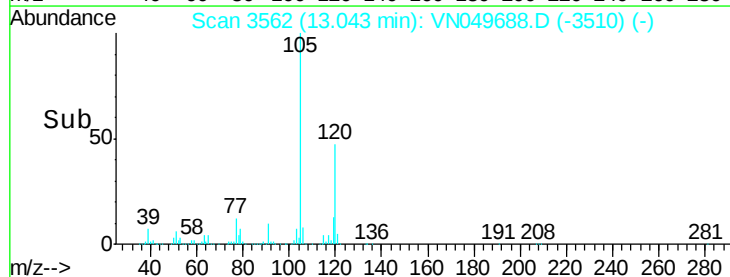
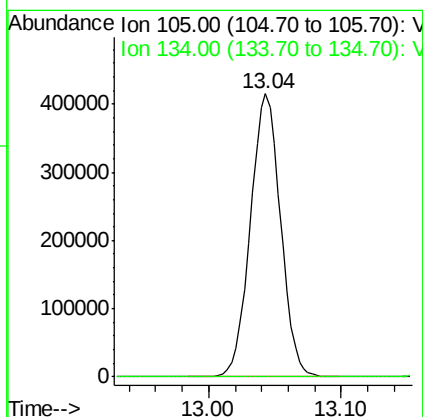
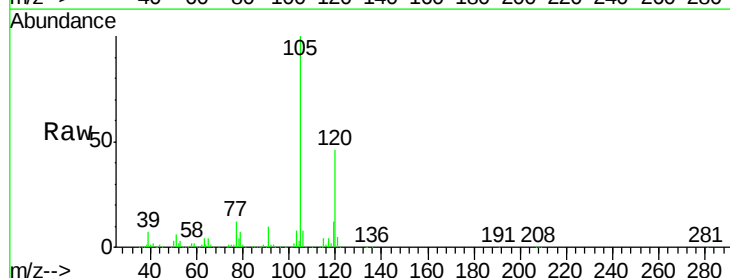
Instrument :
 MSVOA_N
 ClientSampled :

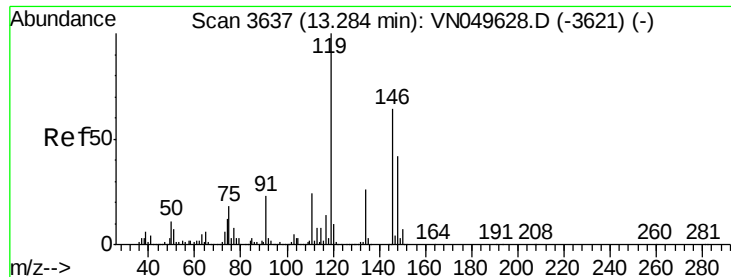
Tot Ion:105 Resp: 655314
 Ion Ratio Lower Upper
 105 100
 120 45.5 22.7 68.1



#85
 sec-Butylbenzene
 Concen: 10.28 ug/l
 RT: 13.04 min Scan# 3562
 Delta R.T. -0.13 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Tgt Ion:105 Resp: 655314
 Ion Ratio Lower Upper
 105 100
 134 0.1 10.1 30.1#





#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3639

Delta R.T. 0.01 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampled :

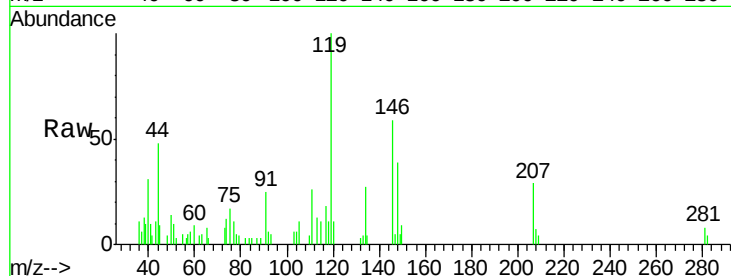
Tot Ion:146 Resp: 5700

Ion Ratio Lower Upper

146 100

111 42.0 19.0 57.0

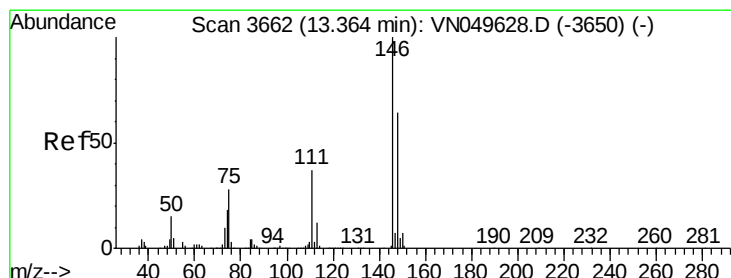
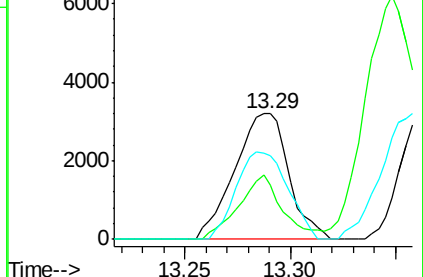
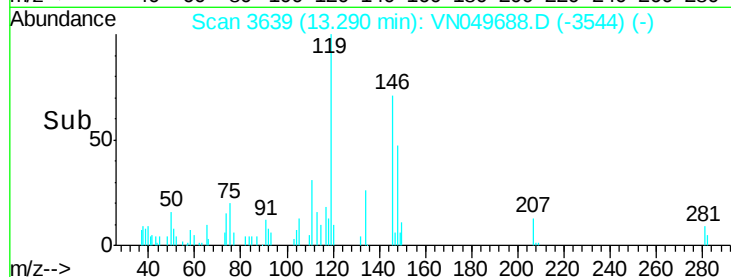
148 66.3 32.5 97.5



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#88

1,4-Dichlorobenzene

Concen: Below Cal

RT: 13.29 min Scan# 3639

Delta R.T. -0.07 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

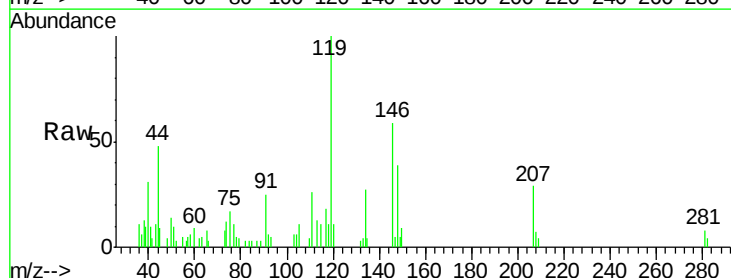
Tgt Ion:146 Resp: 5700

Ion Ratio Lower Upper

146 100

111 42.0 18.9 56.5

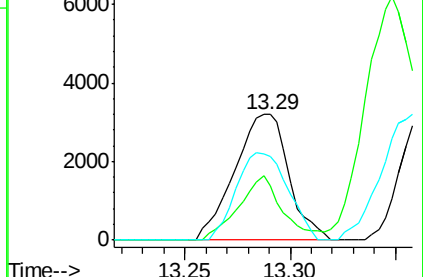
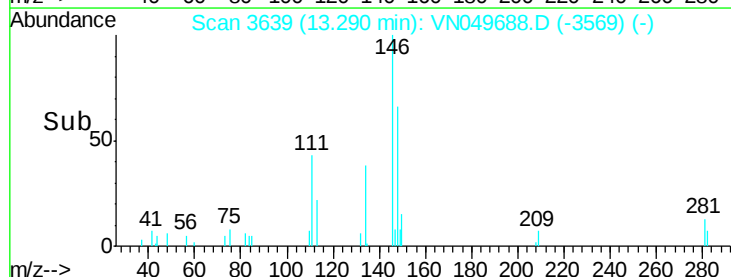
148 66.3 32.1 96.3

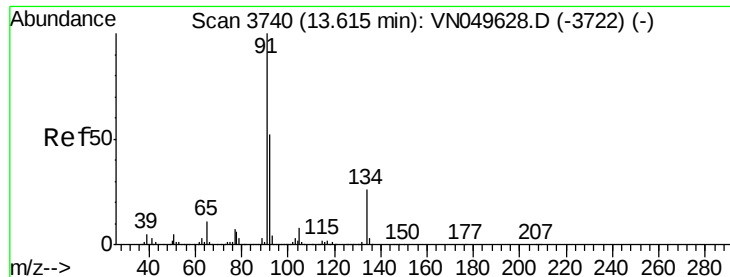


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

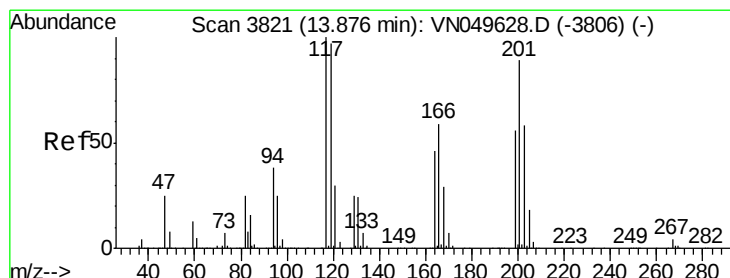
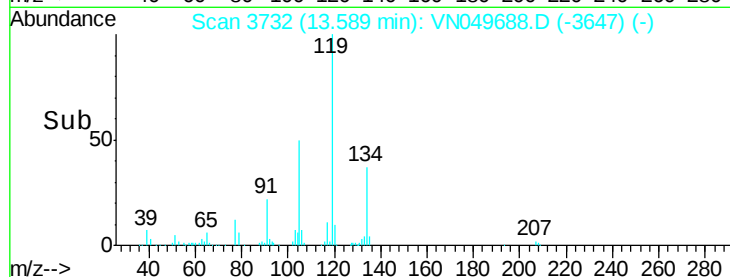
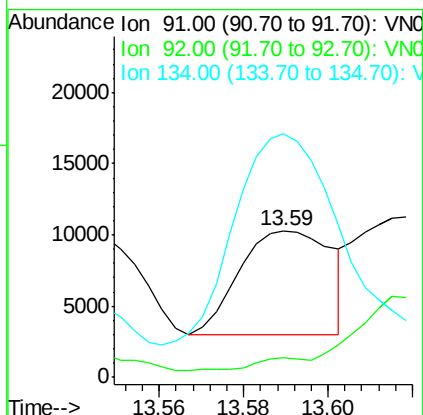
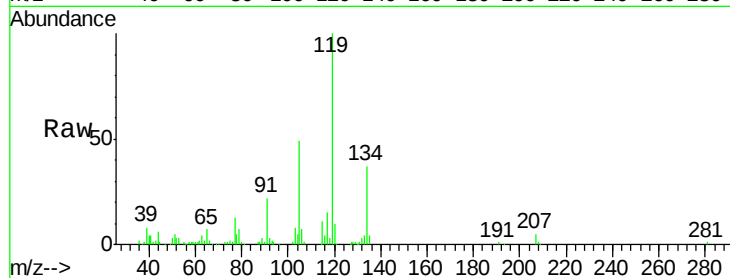




#89
n-Butylbenzene
Concen: 0.23 ug/l
RT: 13.59 min Scan# 3732
Delta R.T. -0.03 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

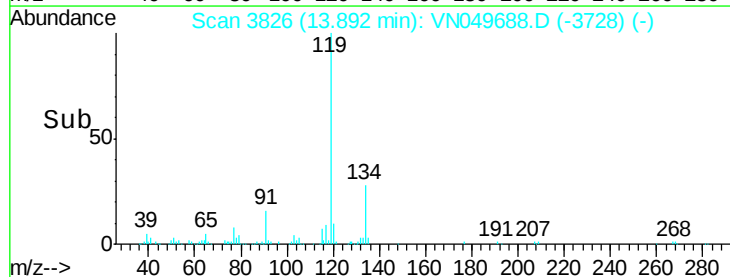
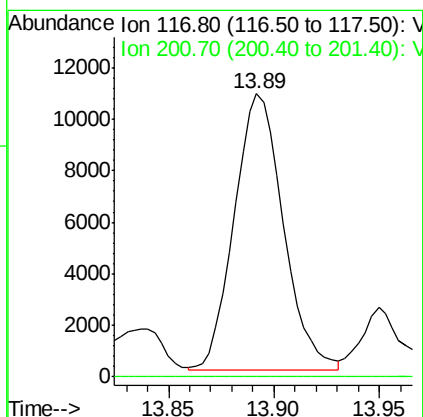
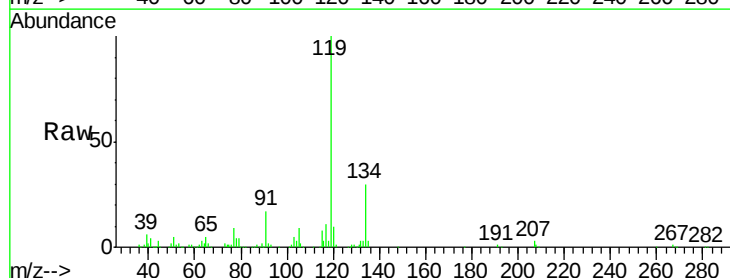
Instrument :
MSVOA_N
ClientSampled :

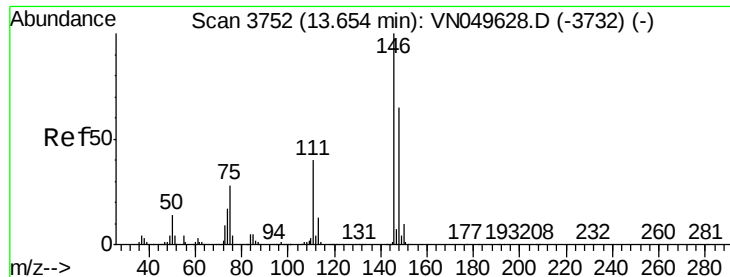
Tot Ion: 91 Resp: 11038
Ion Ratio Lower Upper
91 100
92 11.9 25.8 77.3#
134 323.2 13.0 38.9#



#90
Hexachloroethane
Concen: 2.98 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049688.D
Acq: 3 Jul 2018 12:52

Tgt Ion: 117 Resp: 17283
Ion Ratio Lower Upper
117 100
201 0.0 45.3 135.8#

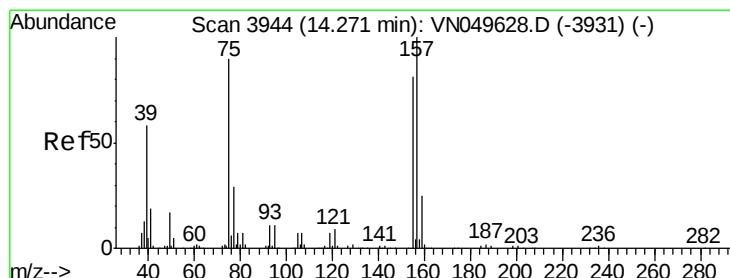
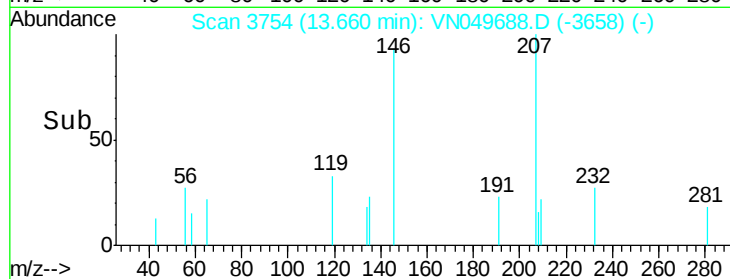
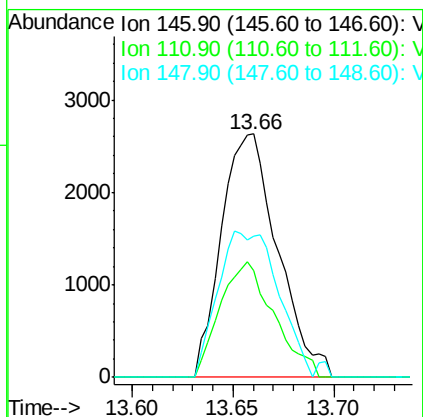
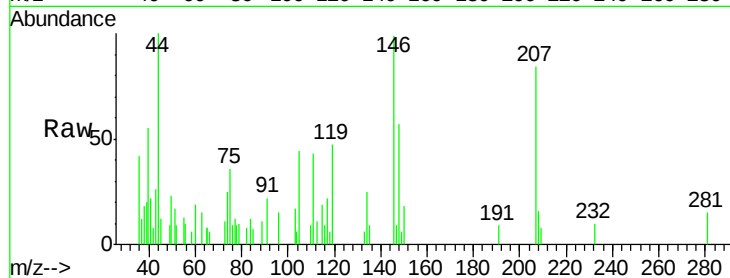




#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.66 min Scan# 3754
 Delta R.T. 0.01 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

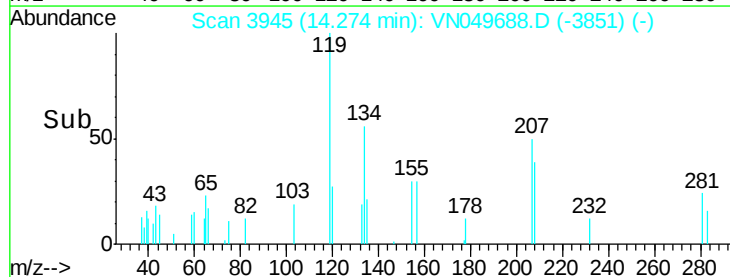
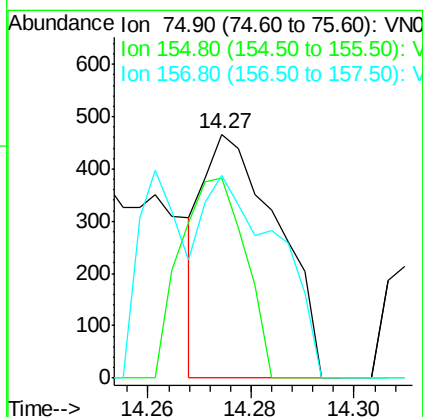
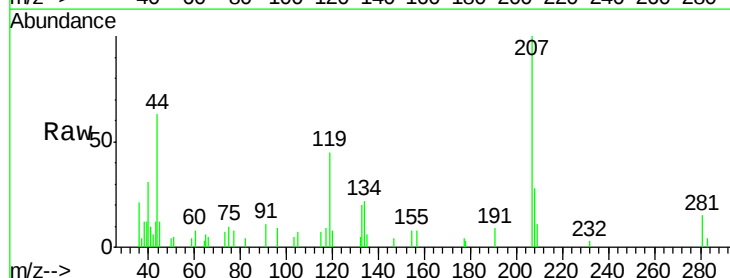
Instrument :
 MSVOA_N
 ClientSampleId :

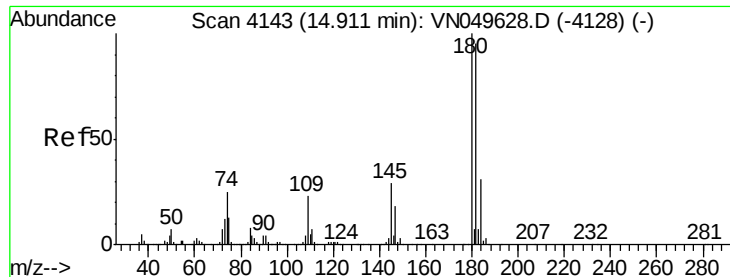
Tot Ion:146 Resp: 5125
 Ion Ratio Lower Upper
 146 100
 111 45.3 19.7 59.1
 148 64.3 32.0 96.2



#92
 1,2-Dibromo-3-Chloropropane
 Concen: Below Cal
 RT: 14.27 min Scan# 3945
 Delta R.T. 0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Tgt Ion: 75 Resp: 468
 Ion Ratio Lower Upper
 75 100
 155 71.2 45.7 137.1
 157 83.8 56.9 170.7

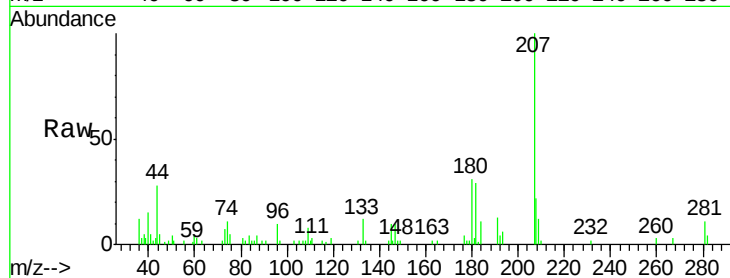




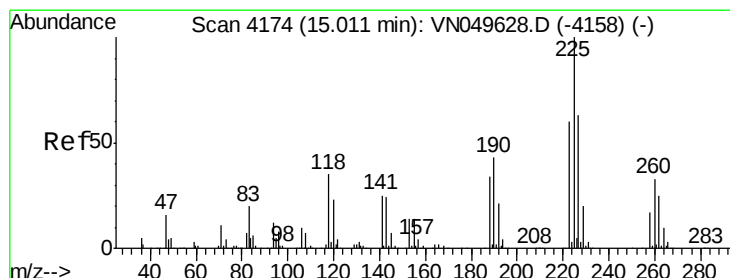
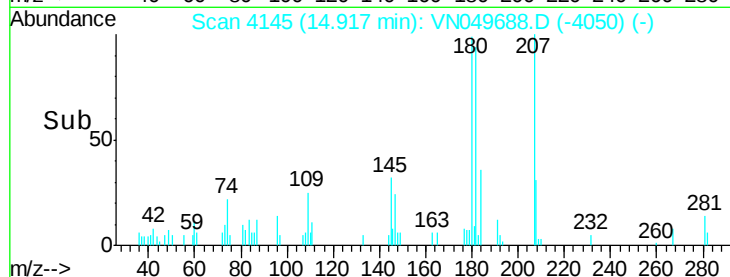
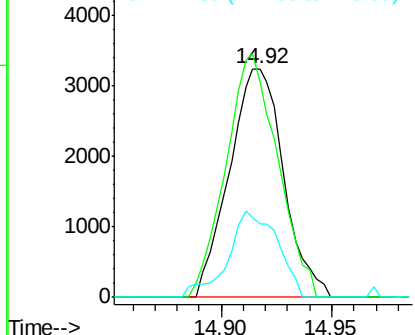
#93
 1,2,4-Trichlorobenzene
 Concen: 2.74 ua/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.01 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion:180 Resp: 5520
 Ion Ratio Lower Upper
 180 100
 182 101.8 47.3 141.9
 145 34.5 14.4 43.0

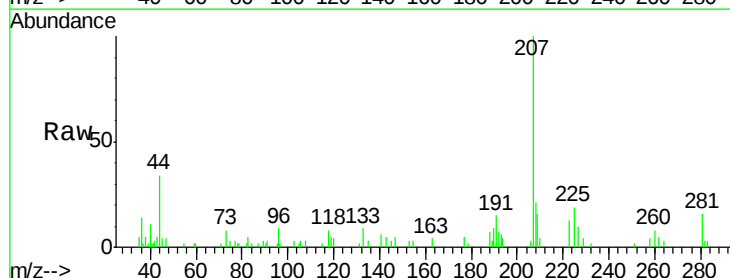


Abundance Ion 179.80 (179.50 to 180.50): V
 Ion 181.80 (181.50 to 182.50): V
 Ion 144.80 (144.50 to 145.50): V

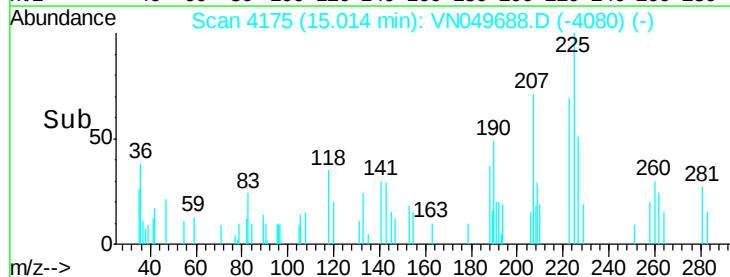
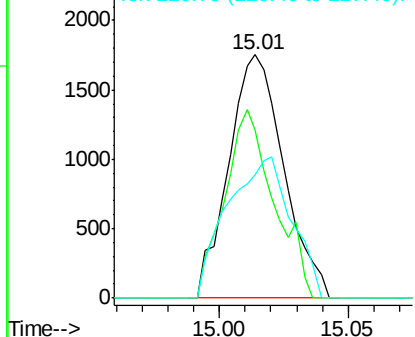


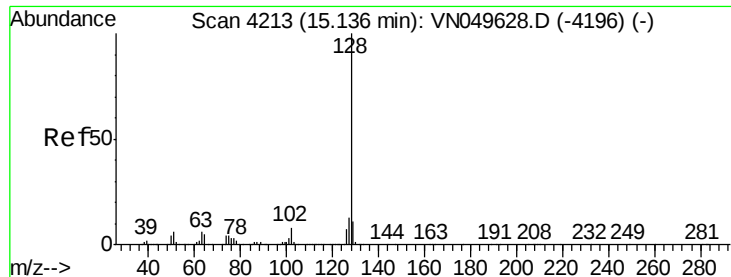
#94
 Hexachlorobutadiene
 Concen: Below Cal
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049688.D
 Acq: 3 Jul 2018 12:52

Tgt Ion:225 Resp: 2607
 Ion Ratio Lower Upper
 225 100
 223 69.6 30.9 92.7
 227 67.5 31.8 95.4



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: 5.06 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

Instrument :

MSVOA_N

ClientSampled :

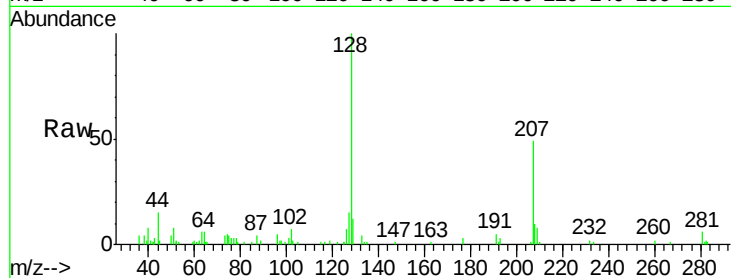
Tot Ion:128 Resp: 38142

Ion Ratio Lower Upper

128 100

127 13.9 10.4 15.6

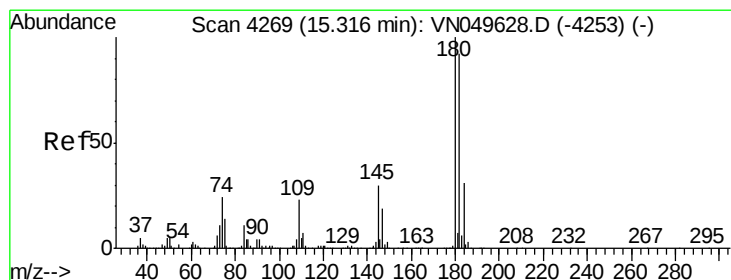
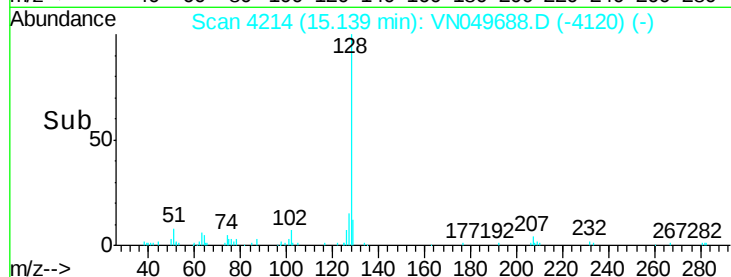
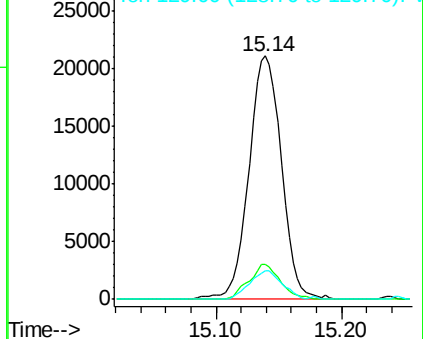
129 11.7 8.6 13.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V



#96

1,2,3-Trichlorobenzene

Concen: 2.08 ug/l

RT: 15.32 min Scan# 4271

Delta R.T. 0.01 min

Lab File: VN049688.D

Acq: 3 Jul 2018 12:52

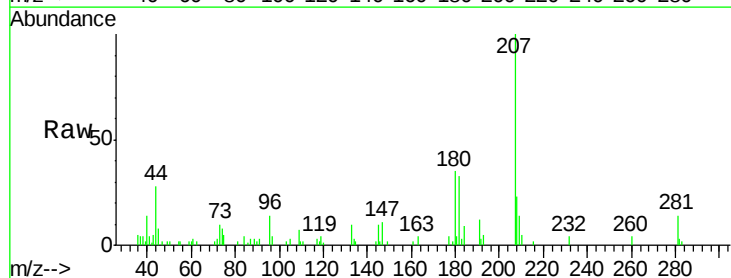
Tgt Ion:180 Resp: 6637

Ion Ratio Lower Upper

180 100

182 96.4 47.4 142.2

145 32.9 15.2 45.6



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

