

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN070218\
 Data File : VN049666.D
 Acq On : 2 Jul 2018 13:52
 Operator : MD\SY
 Sample : J3752-05
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1

Quant Time: Jul 03 03:45:59 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	7.67	168	1375085	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2190576	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1855625	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	708152	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	915747	50.43	ug/l	0.00
Spiked Amount			Recovery	=	100.86%	
35) Dibromofluoromethane	7.59	113	802554	49.01	ug/l	0.00
Spiked Amount			Recovery	=	98.02%	
50) Toluene-d8	10.09	98	2996246	46.74	ug/l	0.00
Spiked Amount			Recovery	=	93.48%	
62) 4-Bromofluorobenzene	12.40	95	875943	40.02	ug/l	0.00
Spiked Amount			Recovery	=	80.04%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
4) Vinyl Chloride	2.18	62	191206	9.20	ug/l	98
6) Chloroethane	2.70	64	12388	0.94	ug/l	# 87
11) Tert butyl alcohol	4.77	59	1200	1.15	ug/l	99
12) 1,1-Dichloroethene	3.73	96	1106097	68.49	ug/l	99
13) Acrolein	3.62	56	1993	2.05	ug/l	# 63
16) Acetone	3.82	43	57560	8.05	ug/l	96
17) Carbon Disulfide	4.04	76	6931	Below	Cal	# 88
18) Methyl Acetate	4.34	43	38463	Below	Cal	# 87
24) 1,1-Dichloroethane	5.85	63	819404	25.91	ug/l	99
25) 2-Butanone	6.84	43	1291	0.21	ug/l	# 1
27) cis-1,2-Dichloroethene	6.83	96	213169	11.48	ug/l	88
29) Tetrahydrofuran	7.22	42	852	0.22	ug/l	# 75
31) Cyclohexane	7.67	56	28504	0.31	ug/l	# 1
36) 1,1-Dichloropropene	7.67	75	92786	3.76	ug/l	# 49
38) Carbon Tetrachloride	7.67	117	122750	5.12	ug/l	# 17
39) Methylcyclohexane	9.08	83	6598	0.24	ug/l	91
40) Benzene	8.04	78	36757	0.49	ug/l	97
42) 1,2-Dichloroethane	8.13	62	51185	2.13	ug/l	100
43) Isopropyl Acetate	8.14	43	35339	0.67	ug/l	# 85
44) Trichloroethene	8.84	130	16760	0.74	ug/l	89
49) 1,4-Dioxane	9.20	88	92709	539.85	ug/l	94
51) 4-Methyl-2-Pentanone	9.99	43	2862	0.20	ug/l	90
58) 2-Chloroethyl Vinyl ether	9.77	63	1083	10.92	ug/l	# 48
71) Bromoform	12.40	173	7153	0.62	ug/l	# 1
75) 1,1,2,2-Tetrachloroethane	12.50	83	533	Below	Cal	# 67
76) 1,2,3-Trichloropropane	12.40	75	417597	36.77	ug/l	# 100
81) trans-1,4-Dichloro-2-buten	12.40	75	417597	124.88	ug/l	# 19
87) 1,3-Dichlorobenzene	13.28	146	2440	Below	Cal	# 82
88) 1,4-Dichlorobenzene	13.36	146	3428	Below	Cal	# 1
91) 1,2-Dichlorobenzene	13.66	146	3437	Below	Cal	91
92) 1,2-Dibromo-3-Chloropropan	14.25	75	394	Below	Cal	# 1
93) 1,2,4-Trichlorobenzene	14.91	180	2256	2.57	ug/l	90
94) Hexachlorobutadiene	15.01	225	576	Below	Cal	82
95) Naphthalene	15.14	128	6683	4.25	ug/l	97

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Quant Title : SW846 8260
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Response via : Initial Calibration

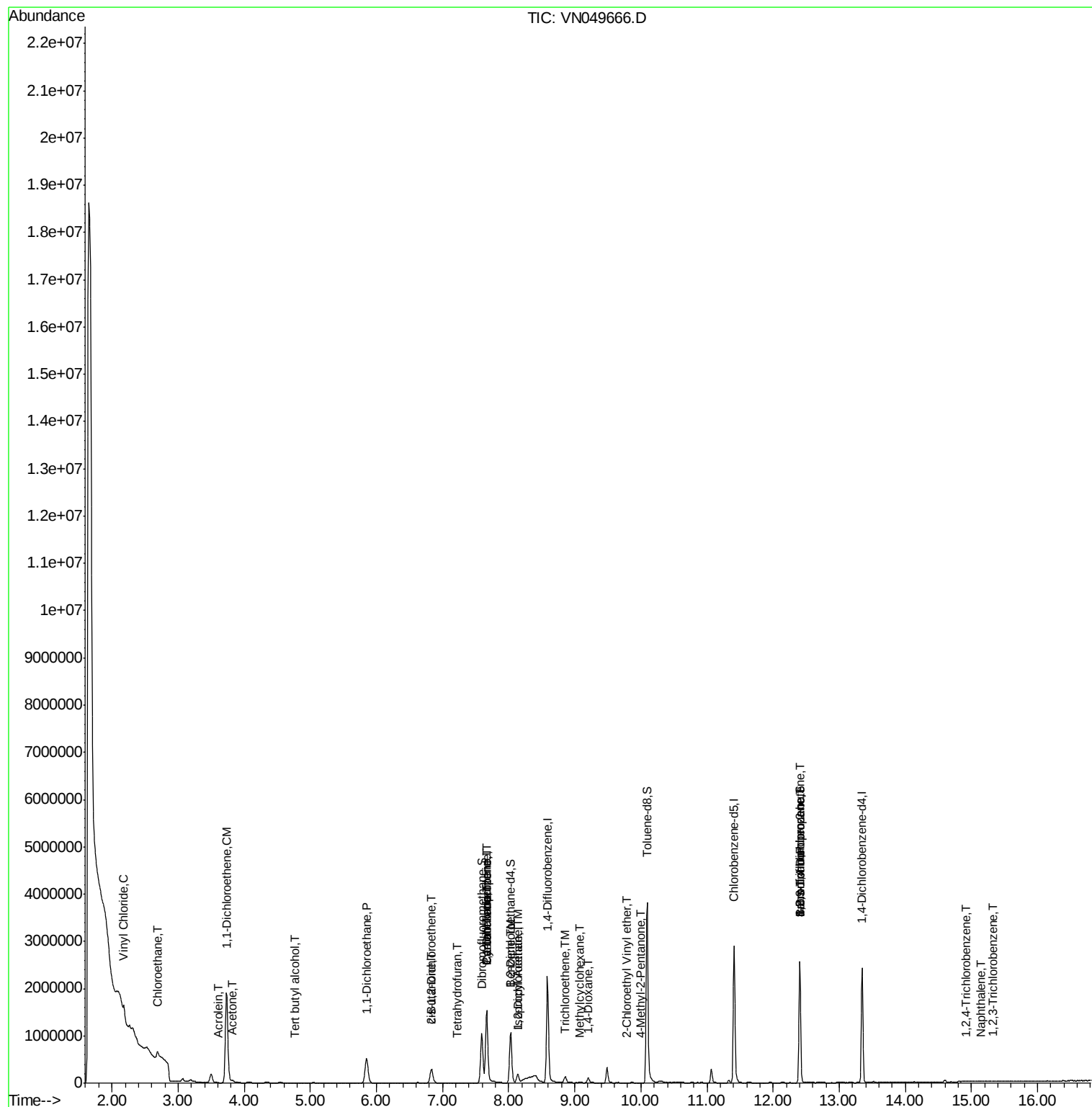
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
96) 1,2,3-Trichlorobenzene	15.32	180	2431	1.84	ug/l #	72

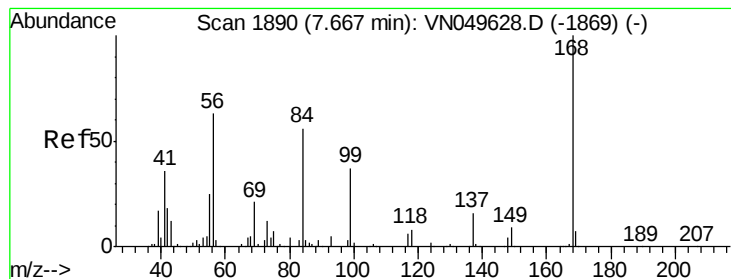
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : VN049666.D
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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

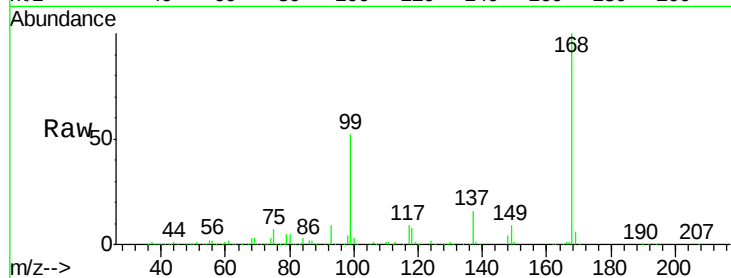
DUP-1

Tot Ion:168 Resp: 1375085

Ion Ratio Lower Upper

168 100

99 51.7 40.6 61.0



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

600000

500000

400000

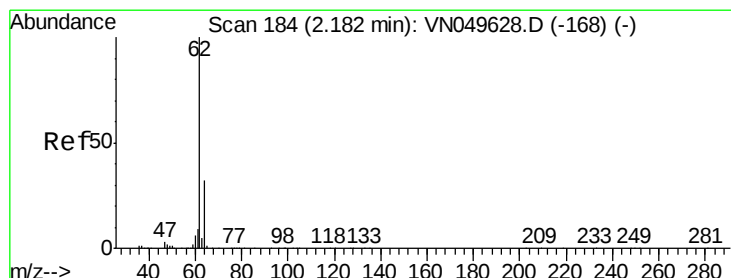
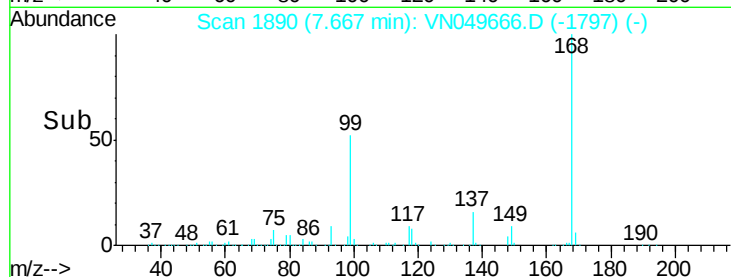
300000

200000

100000

0

Time-->



#4

Vinyl Chloride

Concen: 9.20 ug/l

RT: 2.18 min Scan# 184

Delta R.T. -0.00 min

Lab File: VN049666.D

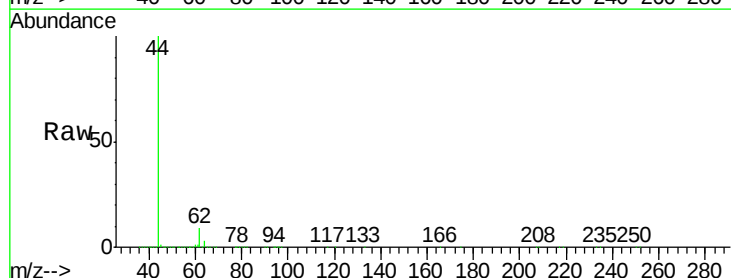
Acq: 2 Jul 2018 13:52

Tgt Ion: 62 Resp: 191206

Ion Ratio Lower Upper

62 100

64 32.7 25.4 38.0



Abundance Ion 61.90 (61.60 to 62.60): VNO

Ion 63.90 (63.60 to 64.60): VNO

2.18

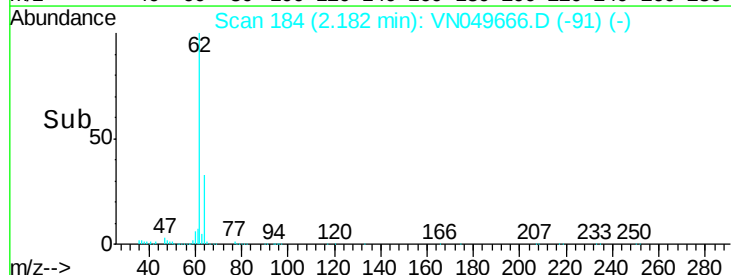
150000

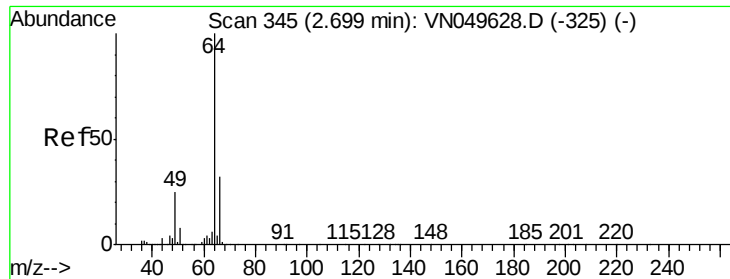
100000

50000

0

Time-->





#6

Chloroethane

Concen: 0.94 ug/l

RT: 2.70 min Scan# 344

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

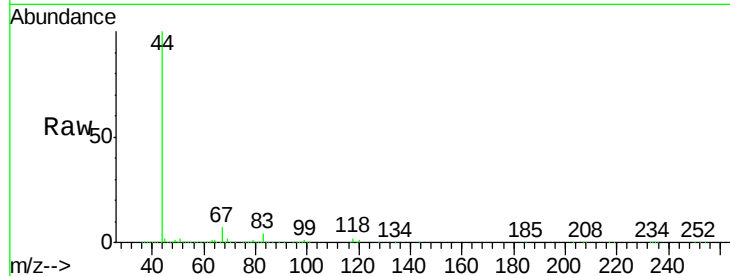
DUP-1

Tot Ion: 64 Resp: 12388

Ion Ratio Lower Upper

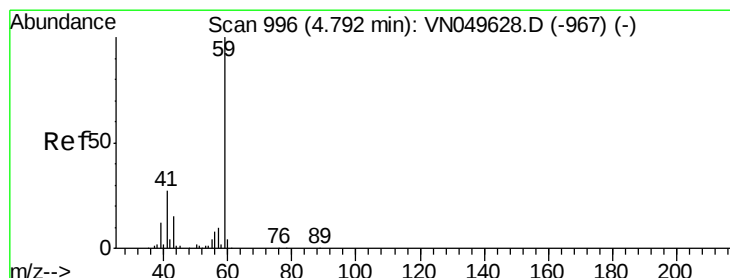
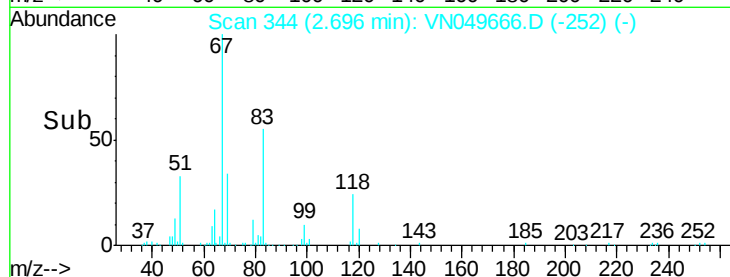
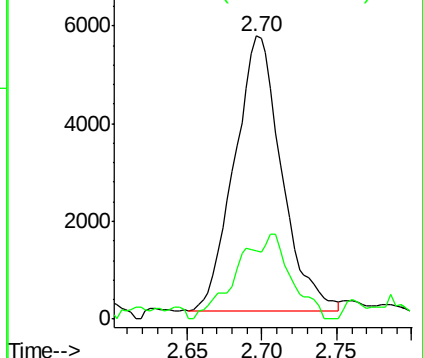
64 100

66 24.7 25.6 38.4#



Abundance Ion 63.90 (63.60 to 64.60): VN0

Ion 65.90 (65.60 to 66.60): VN0



#11

Tert butyl alcohol

Concen: 1.15 ug/l

RT: 4.77 min Scan# 990

Delta R.T. -0.02 min

Lab File: VN049666.D

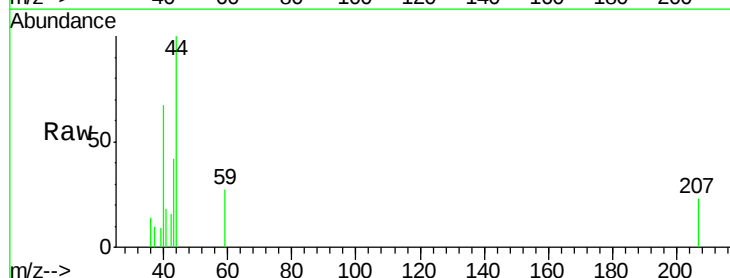
Acq: 2 Jul 2018 13:52

Tgt Ion: 59 Resp: 1200

Ion Ratio Lower Upper

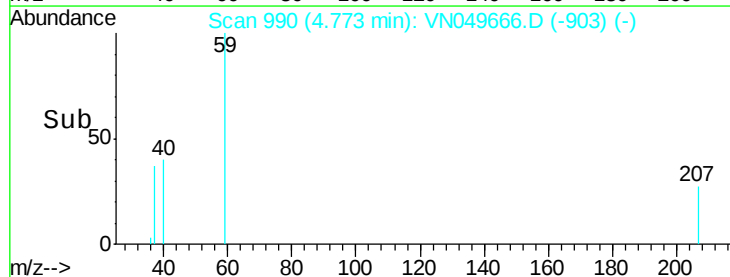
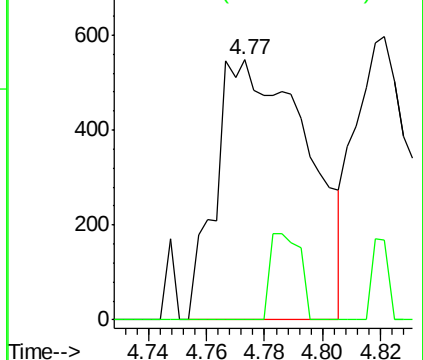
59 100

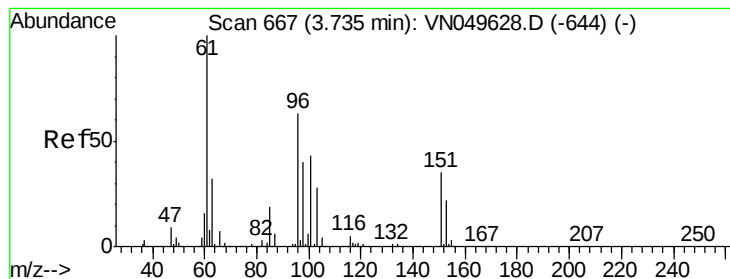
57 10.9 8.5 12.7



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#12

1,1-Dichloroethene

Concen: 68.49 ug/l

RT: 3.73 min Scan# 666

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

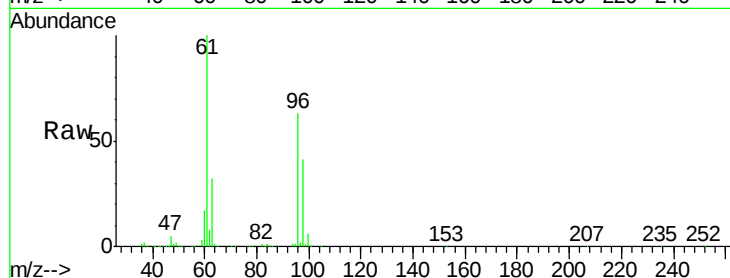
MSVOA_N

ClientSampled :

DUP-1

Tot Ion: 96 Resp: 1106097

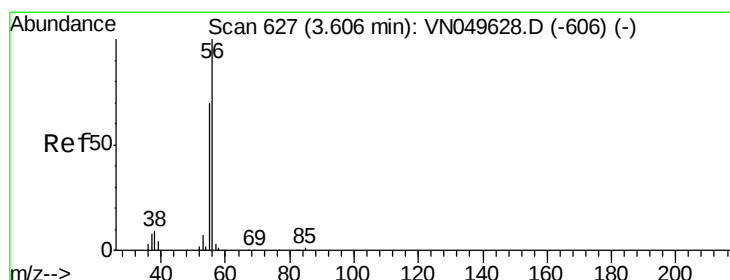
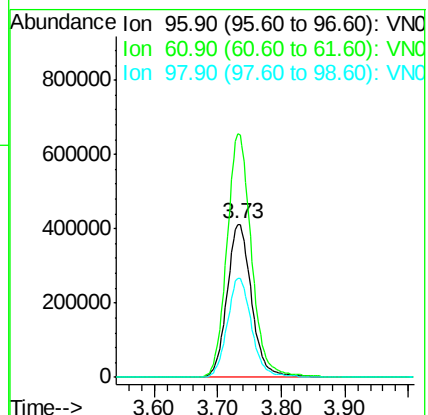
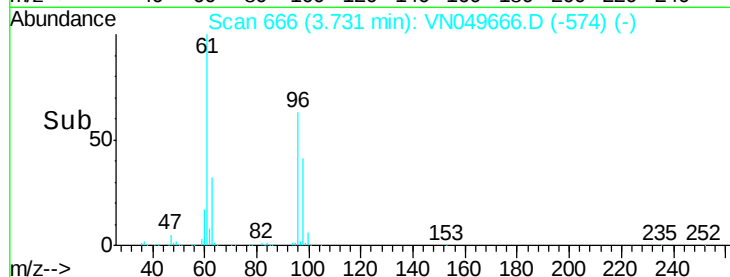
Ion	Ratio	Lower	Upper
96	100		
61	159.2	126.5	189.7
98	65.0	51.0	76.6



Abundance Ion 95.90 (95.60 to 96.60): VN0

Ion 60.90 (60.60 to 61.60): VN0

Ion 97.90 (97.60 to 98.60): VN0



#13

Acrolein

Concen: 2.05 ug/l

RT: 3.62 min Scan# 630

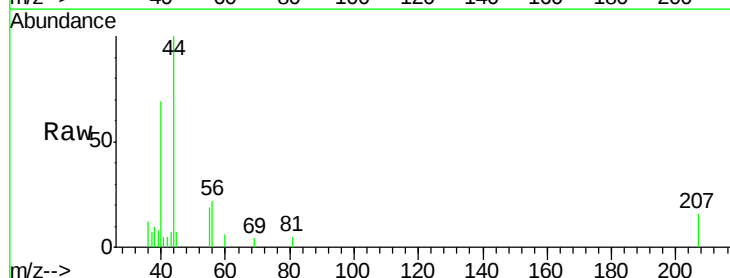
Delta R.T. 0.01 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

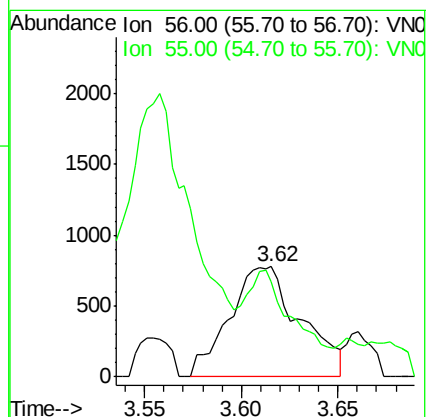
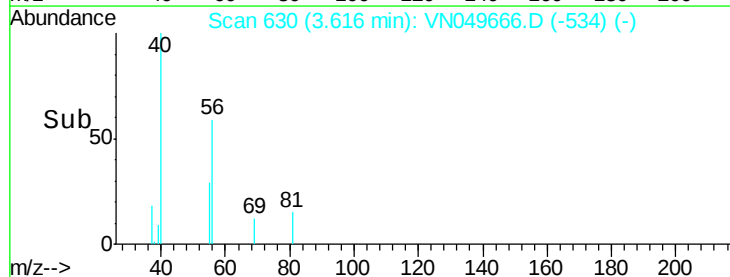
Tgt Ion: 56 Resp: 1993

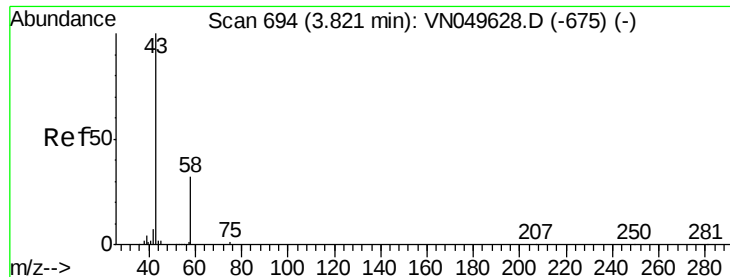
Ion	Ratio	Lower	Upper
56	100		
55	39.5	55.8	83.8#



Abundance Ion 56.00 (55.70 to 56.70): VN0

Ion 55.00 (54.70 to 55.70): VN0





#16

Acetone

Concen: 8.05 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

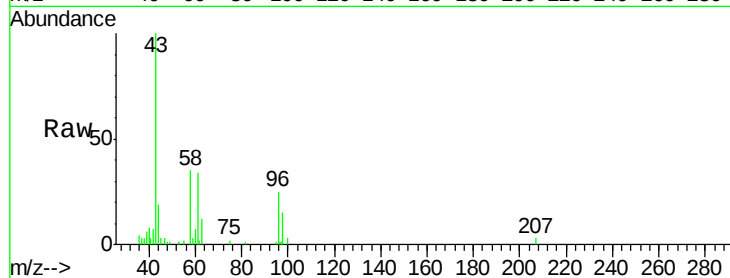
DUP-1

Tot Ion: 43 Resp: 57560

Ion Ratio Lower Upper

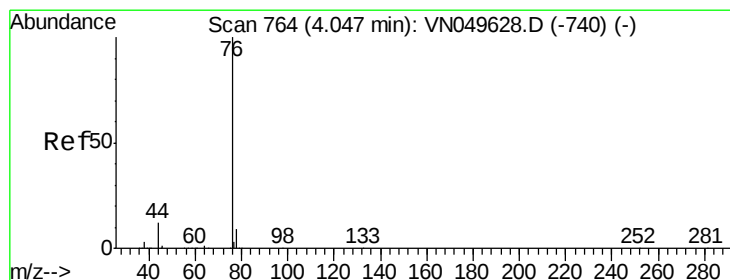
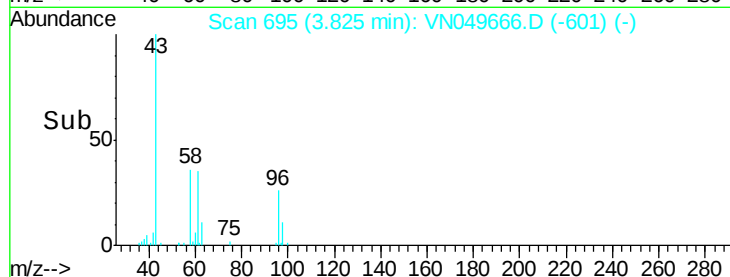
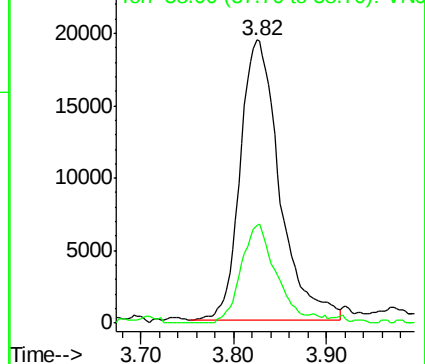
43 100

58 34.9 25.9 38.9



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0



#17

Carbon Disulfide

Concen: Below Cal

RT: 4.04 min Scan# 763

Delta R.T. -0.00 min

Lab File: VN049666.D

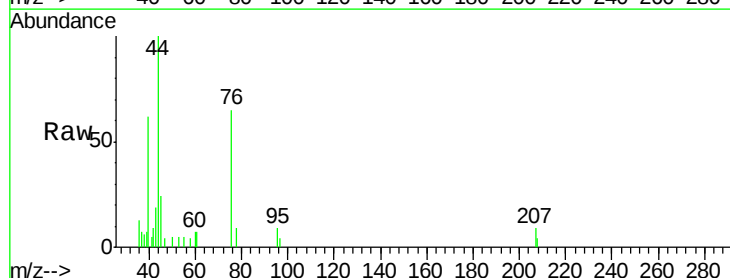
Acq: 2 Jul 2018 13:52

Tgt Ion: 76 Resp: 6931

Ion Ratio Lower Upper

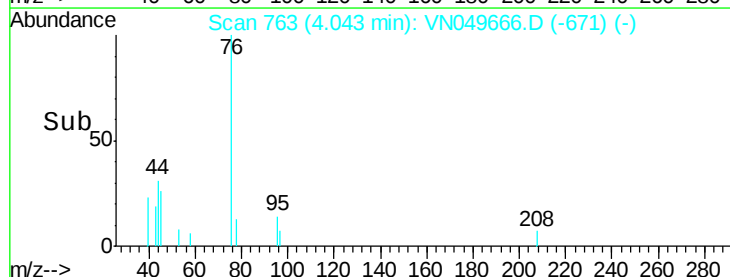
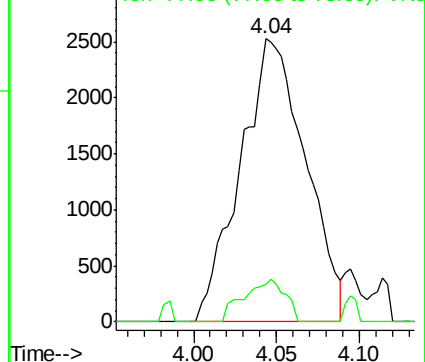
76 100

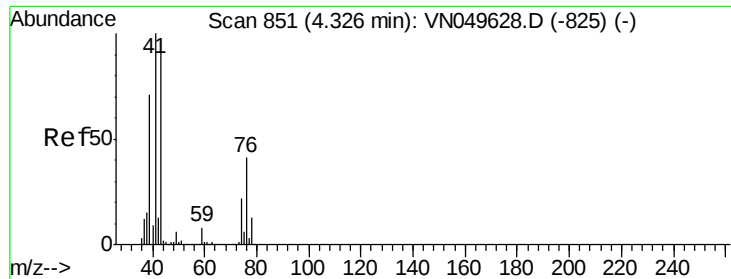
78 13.3 7.1 10.7#



Abundance Ion 75.90 (75.60 to 76.60): VN0

Ion 77.90 (77.60 to 78.60): VN0

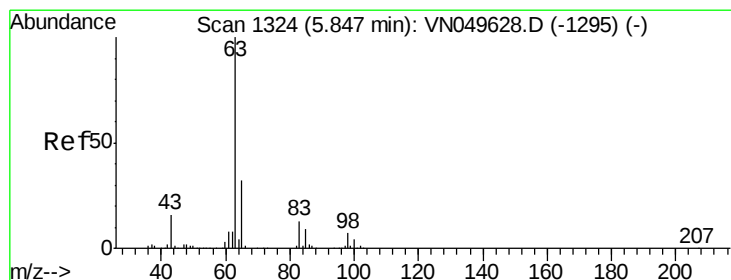
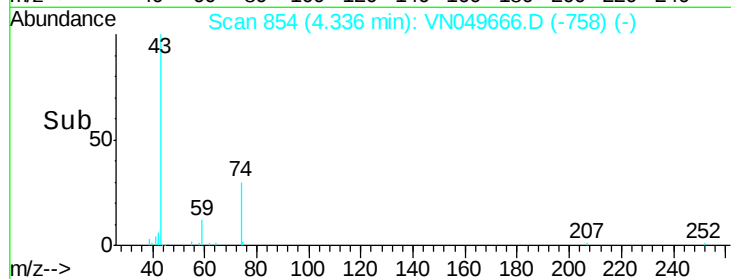
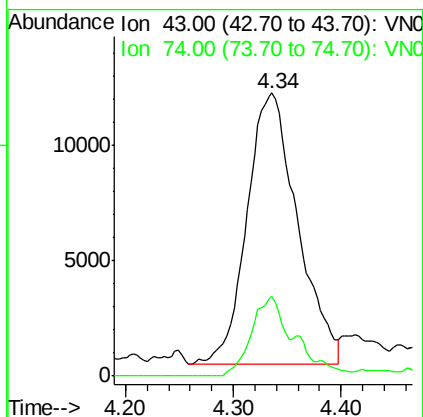
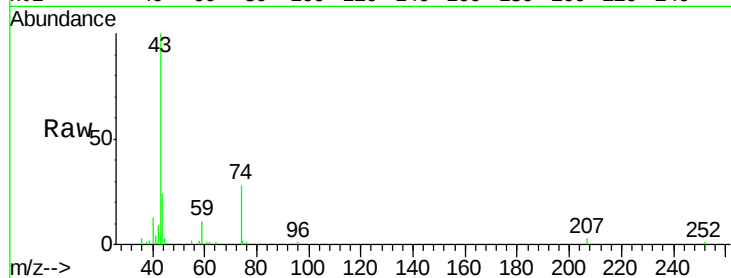




#18
Methvl Acetate
Concen: Below Cal
RT: 4.34 min Scan# 854
Delta R.T. 0.01 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

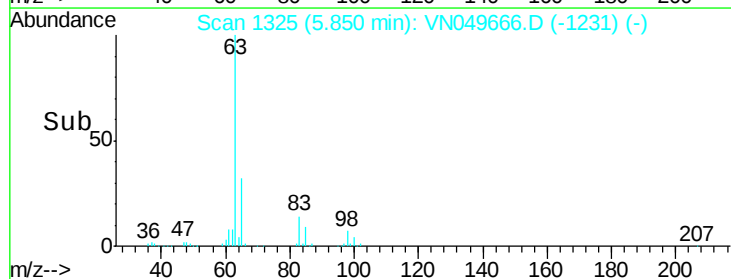
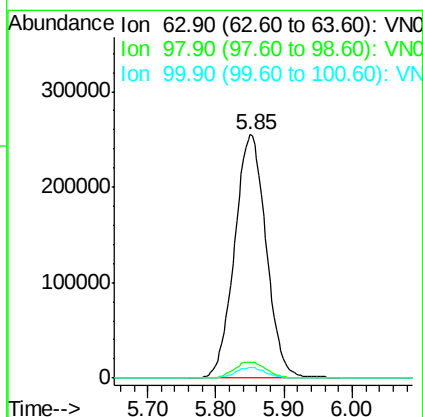
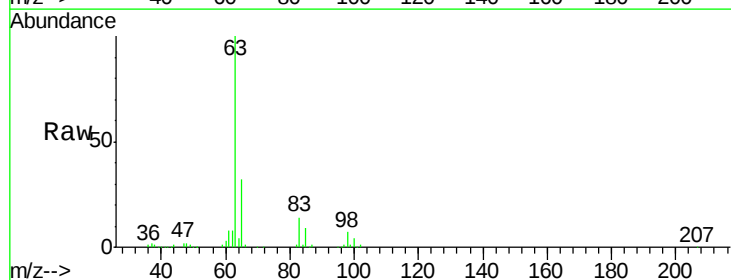
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DUP-1

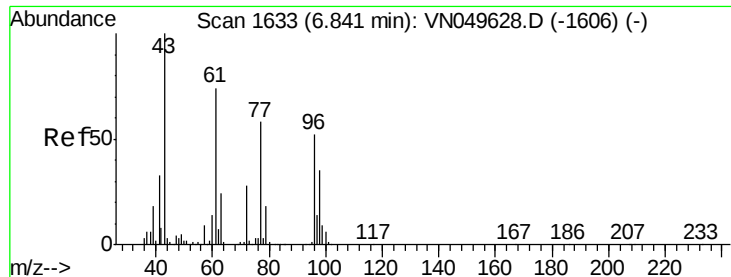
Tot Ion: 43 Resp: 38463
Ion Ratio Lower Upper
43 100
74 18.2 19.8 29.8#



#24
1,1-Dichloroethane
Concen: 25.91 ug/l
RT: 5.85 min Scan# 1325
Delta R.T. 0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

Tgt Ion: 63 Resp: 819404
Ion Ratio Lower Upper
63 100
98 6.5 3.4 10.2
100 4.4 2.2 6.6

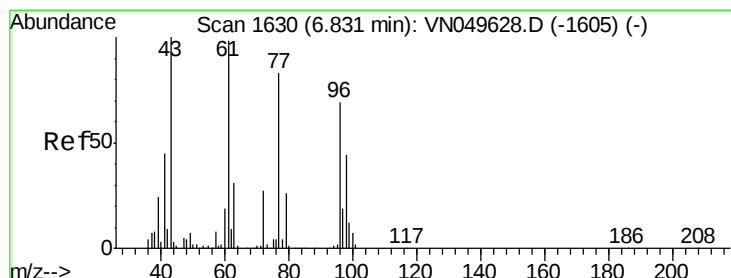
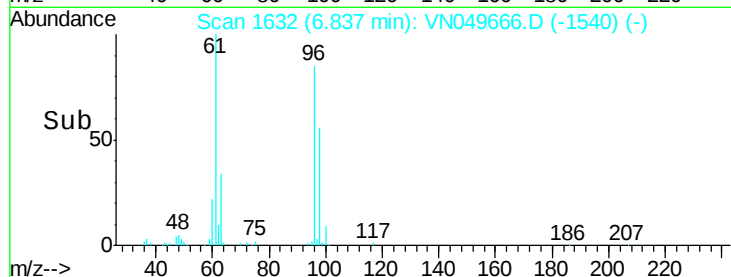
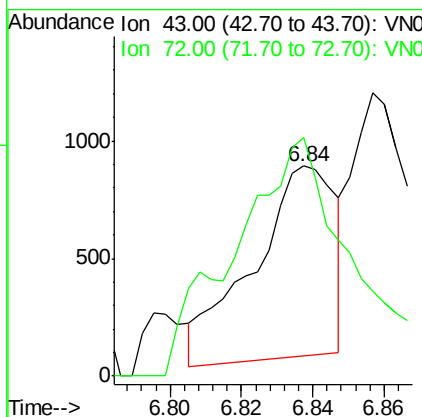
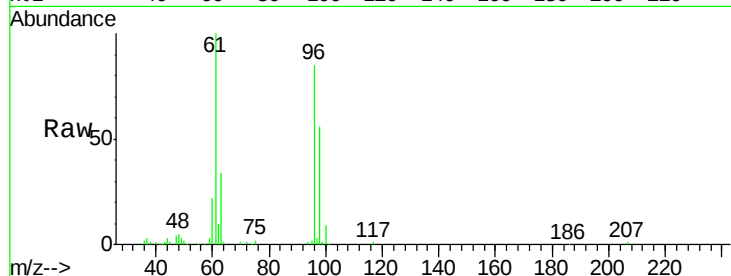




#25
2-Butanone
Concen: 0.21 ug/l
RT: 6.84 min Scan# 1632
Delta R.T. -0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

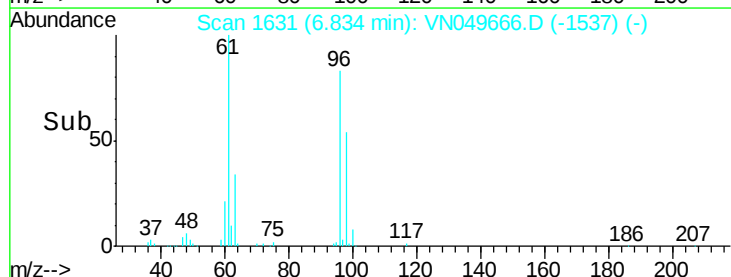
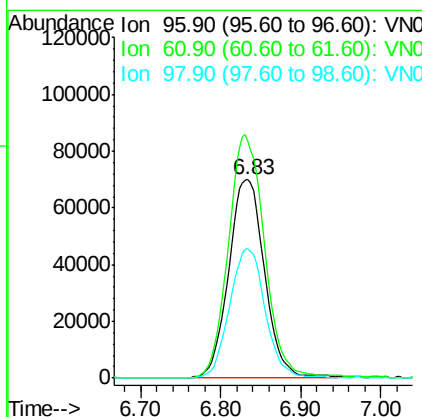
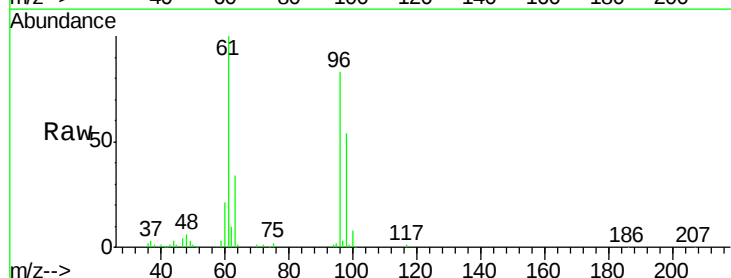
Instrument :
MSVOA_N
ClientSampled :
DUP-1

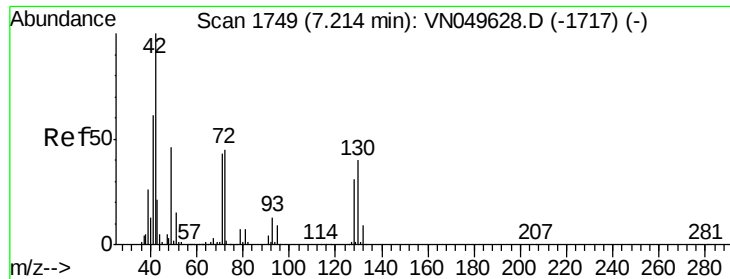
Tot Ion: 43 Resp: 1291
Ion Ratio Lower Upper
43 100
72 95.5 22.1 33.1#



#27
cis-1,2-Dichloroethene
Concen: 11.48 ug/l
RT: 6.83 min Scan# 1631
Delta R.T. 0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

Tgt Ion: 96 Resp: 213169
Ion Ratio Lower Upper
96 100
61 123.2 0.0 289.0
98 64.2 0.0 130.2





#29

Tetrahydrofuran

Concen: 0.22 ug/l

RT: 7.22 min Scan# 1751

Delta R.T. 0.01 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

DUP-1

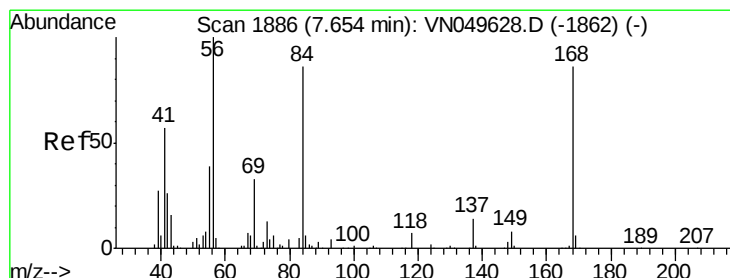
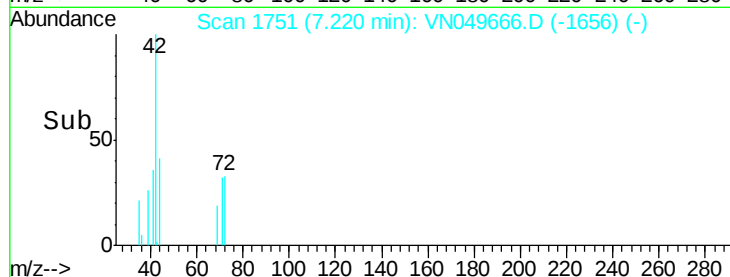
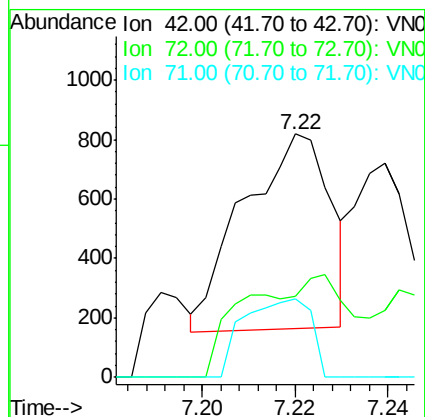
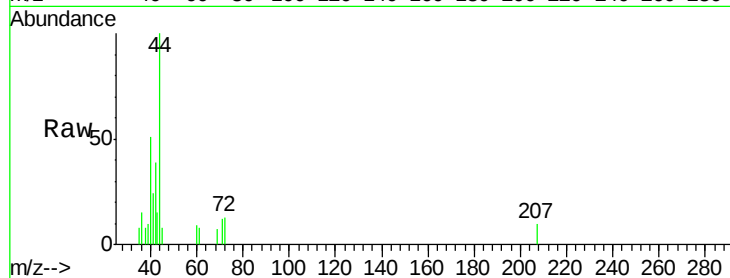
Tot Ion: 42 Resp: 852

Ion Ratio Lower Upper

42 100

72 65.0 35.6 53.4#

71 31.2 34.0 51.0#



#31

Cyclohexane

Concen: 0.31 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.01 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

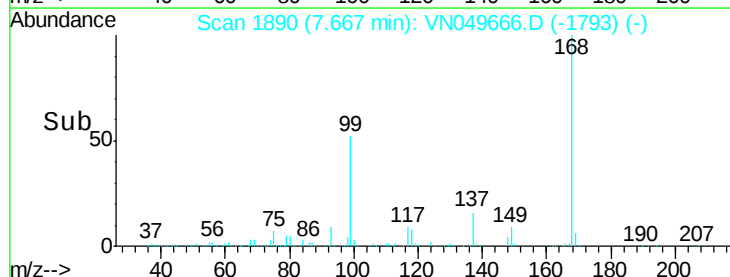
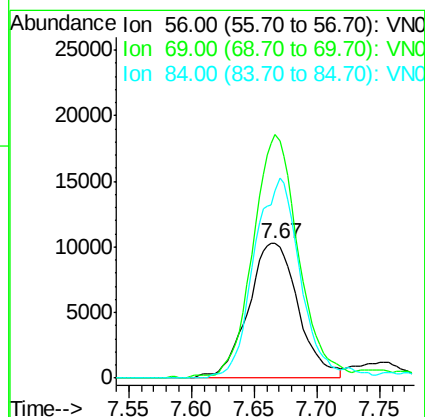
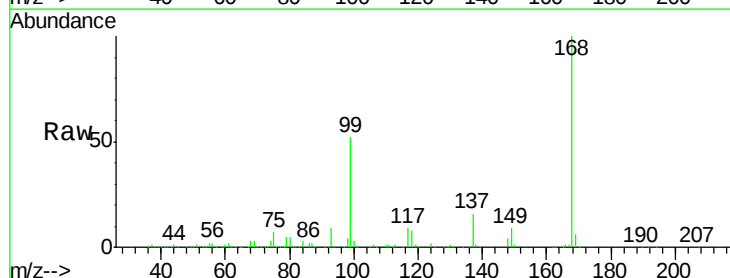
Tgt Ion: 56 Resp: 28504

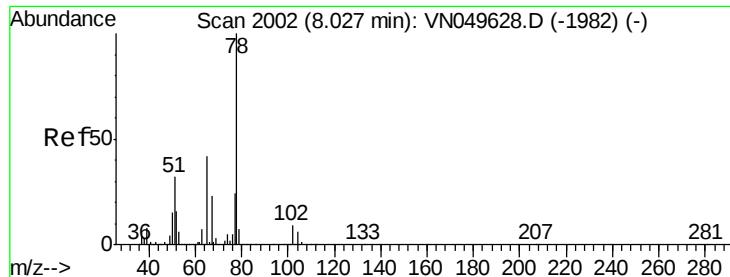
Ion Ratio Lower Upper

56 100

69 179.2 26.6 40.0#

84 139.1 69.0 103.6#

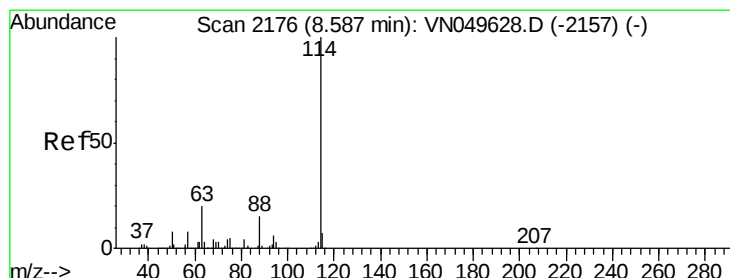
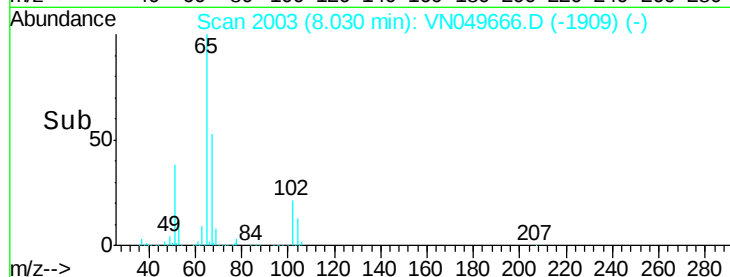
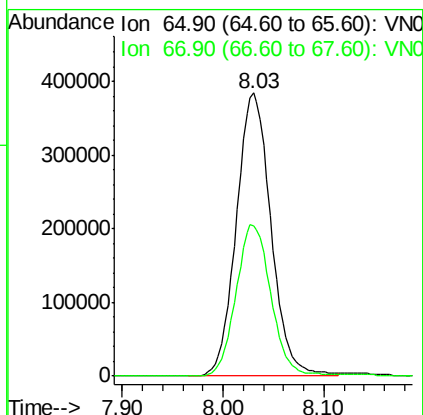
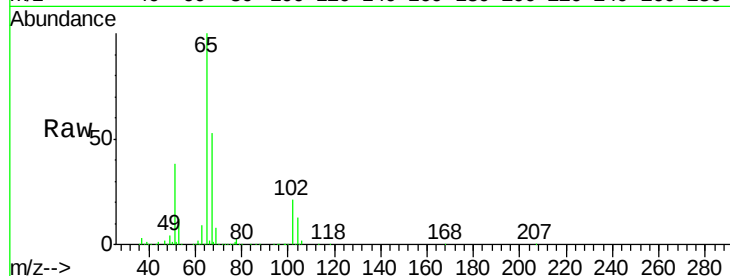




#33
 1,2-Dichloroethane-d4
 Concen: 50.43 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049666.D
 Acq: 2 Jul 2018 13:52

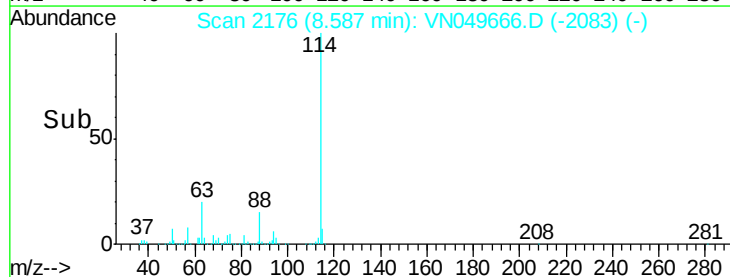
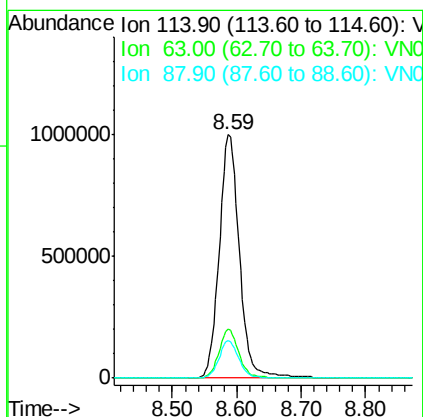
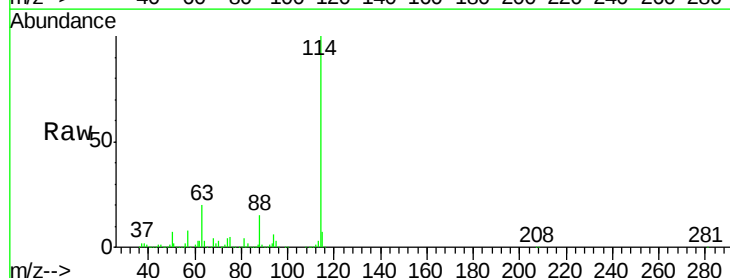
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1

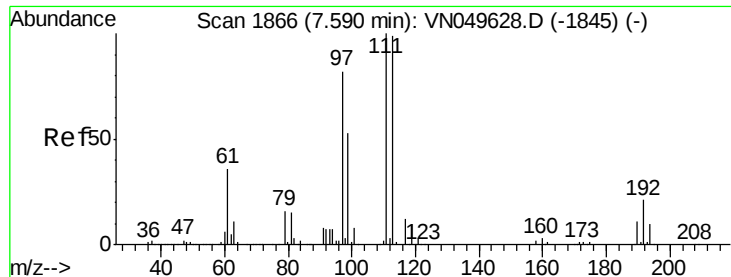
Tot Ion: 65 Resp: 915747
 Ion Ratio Lower Upper
 65 100
 67 54.6 0.0 107.2



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. -0.00 min
 Lab File: VN049666.D
 Acq: 2 Jul 2018 13:52

Tgt Ion: 114 Resp: 2190576
 Ion Ratio Lower Upper
 114 100
 63 19.9 0.0 39.8
 88 15.4 0.0 30.6

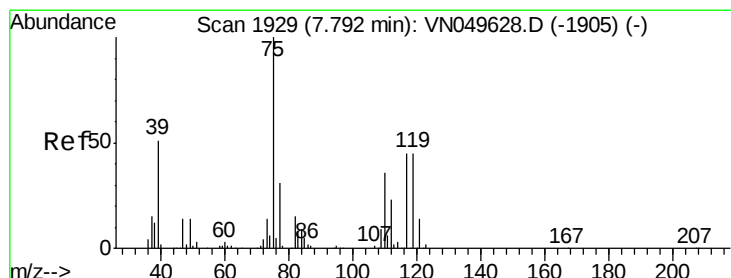
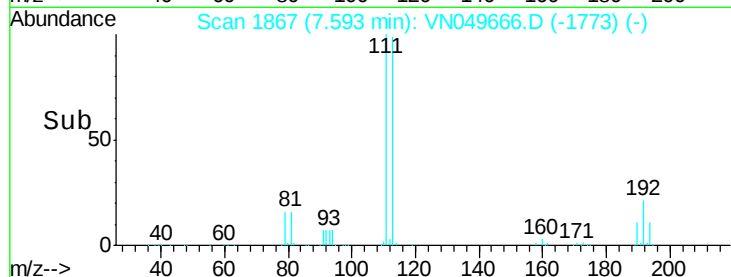
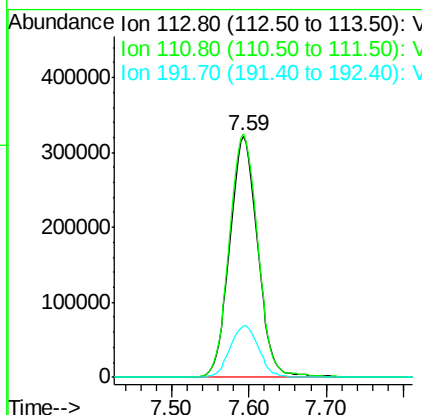
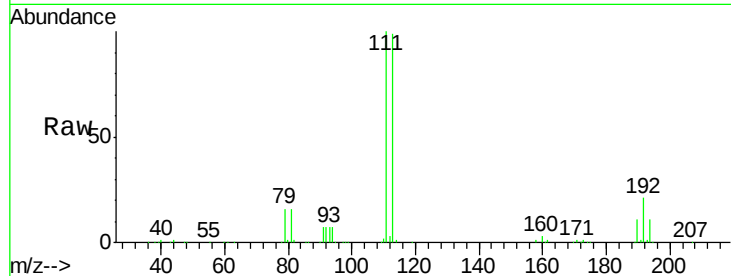




#35
Dibromofluoromethane
Concen: 49.01 ug/l
RT: 7.59 min Scan# 1867
Delta R.T. 0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

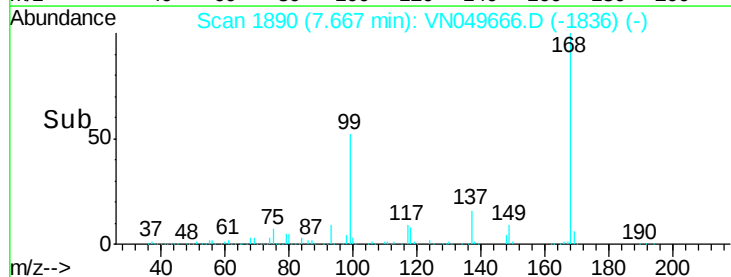
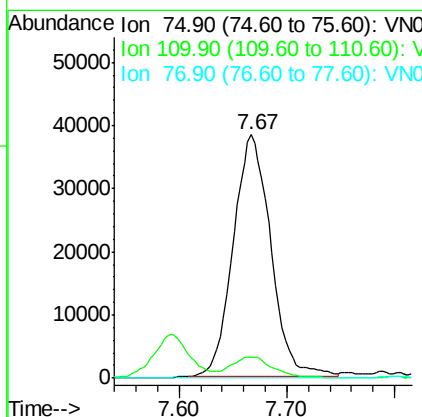
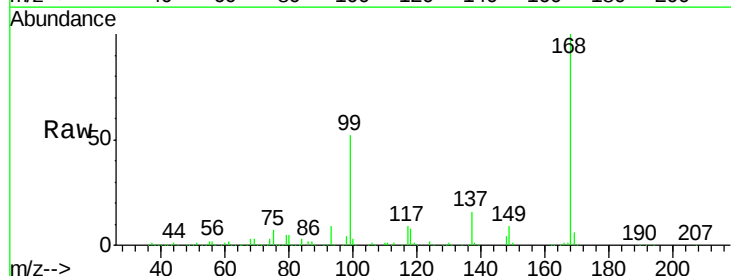
Instrument :
MSVOA_N
ClientSampleId :
DUP-1

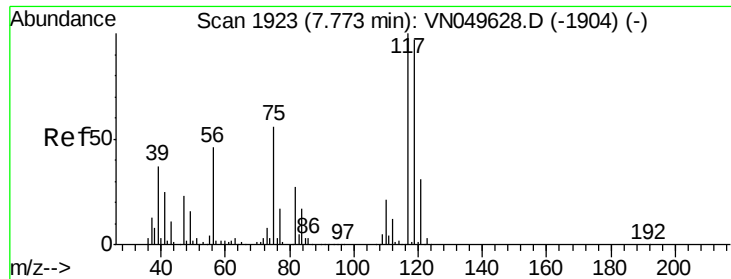
Tot Ion:113 Resp: 802554
Ion Ratio Lower Upper
113 100
111 102.1 81.8 122.8
192 22.0 17.8 26.6



#36
1,1-Dichloropropene
Concen: 3.76 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.13 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

Tgt Ion: 75 Resp: 92786
Ion Ratio Lower Upper
75 100
110 8.4 18.1 54.4#
77 0.0 24.9 37.3#

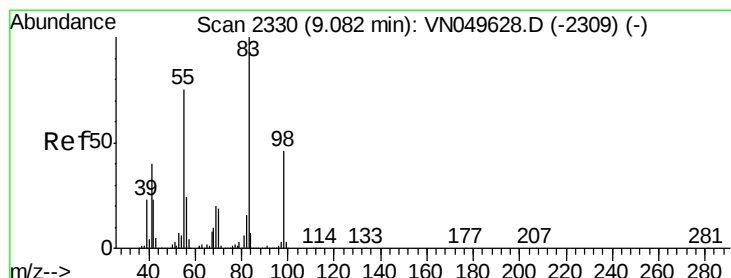
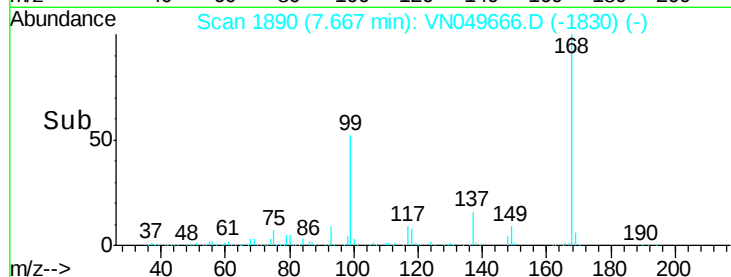
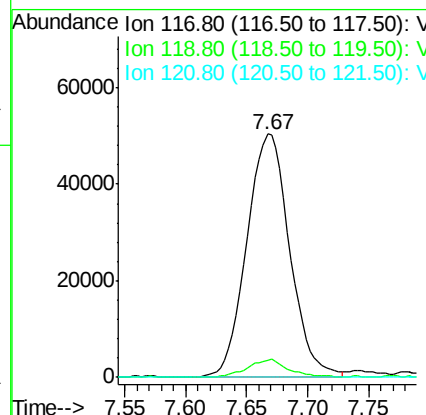
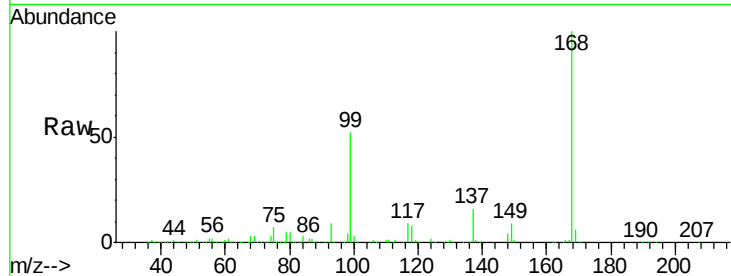




#38
Carbon Tetrachloride
Concen: 5.12 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

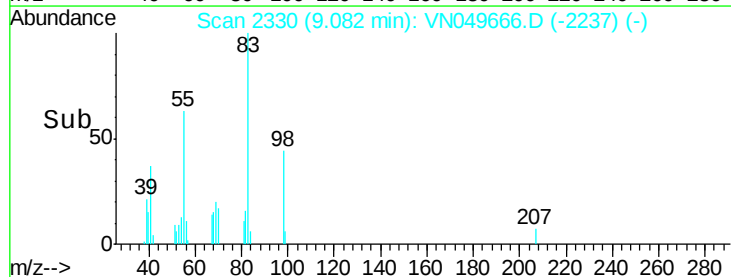
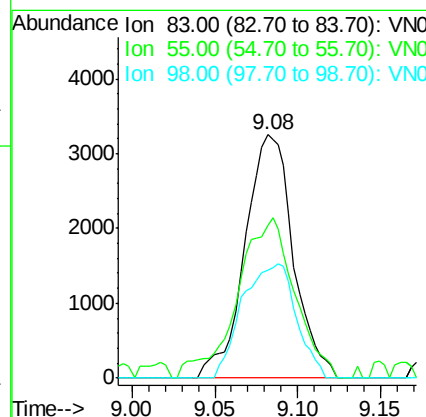
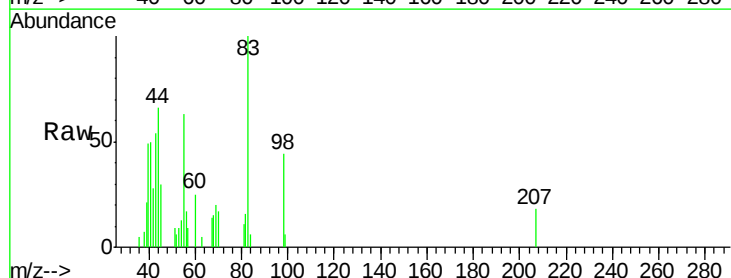
Instrument :
MSVOA_N
ClientSampled :
DUP-1

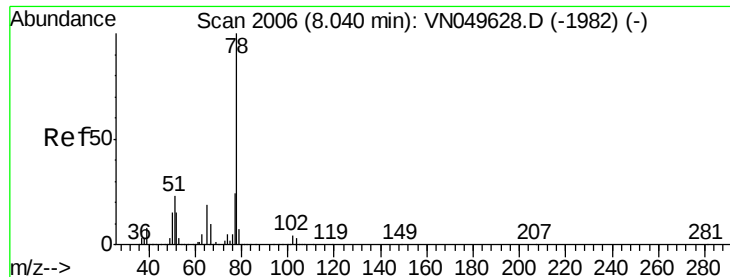
Tot Ion:117 Resp: 122750
Ion Ratio Lower Upper
117 100
119 7.1 77.2 115.8#
121 0.0 25.0 37.6#



#39
Methylcyclohexane
Concen: 0.24 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. -0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

Tgt Ion: 83 Resp: 6598
Ion Ratio Lower Upper
83 100
55 62.8 59.7 89.5
98 44.3 36.5 54.7





#40

Benzene

Concen: 0.49 ug/l

RT: 8.04 min Scan# 2006

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

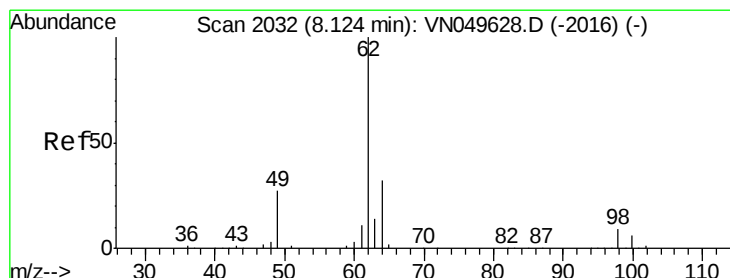
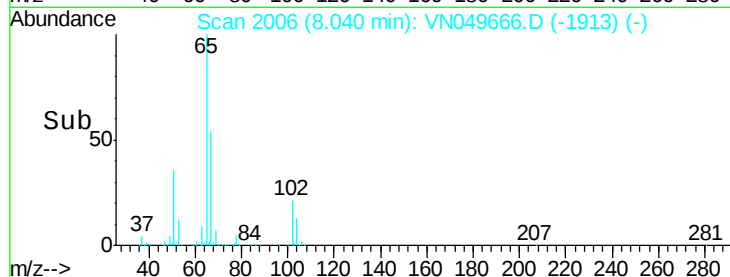
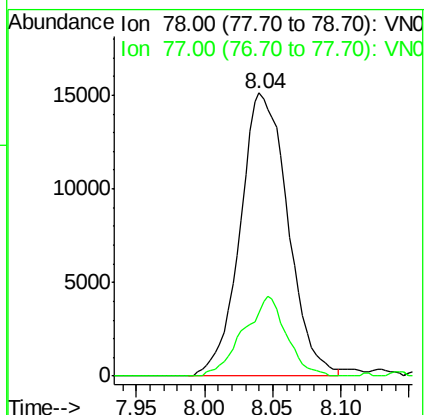
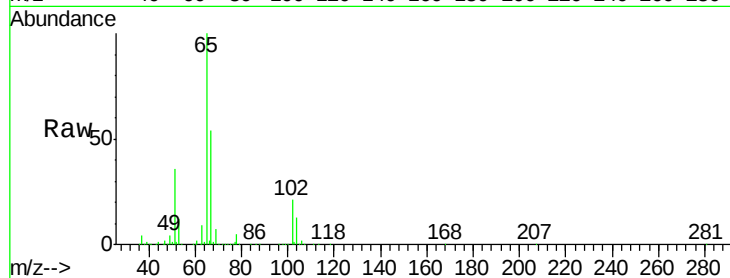
DUP-1

Tot Ion: 78 Resp: 36757

Ion Ratio Lower Upper

78 100

77 22.2 19.0 28.4



#42

1,2-Dichloroethane

Concen: 2.13 ug/l

RT: 8.13 min Scan# 2033

Delta R.T. 0.00 min

Lab File: VN049666.D

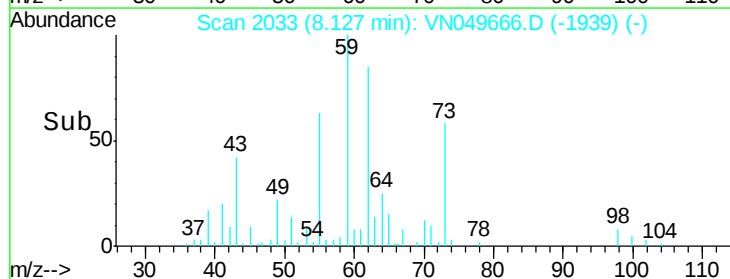
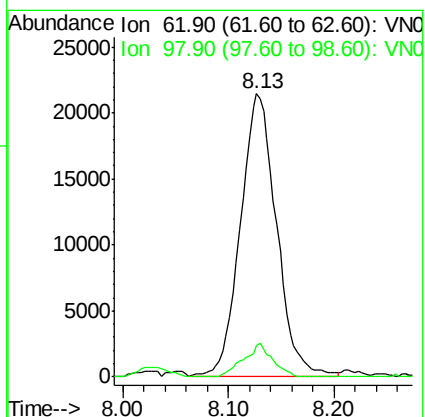
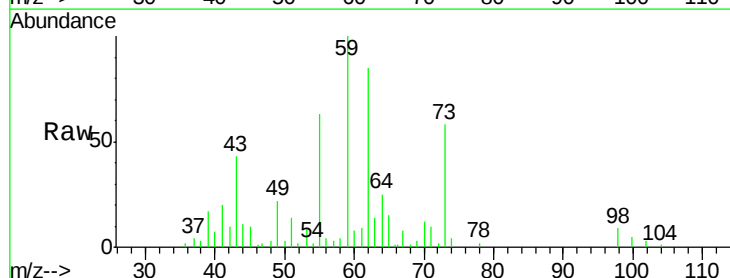
Acq: 2 Jul 2018 13:52

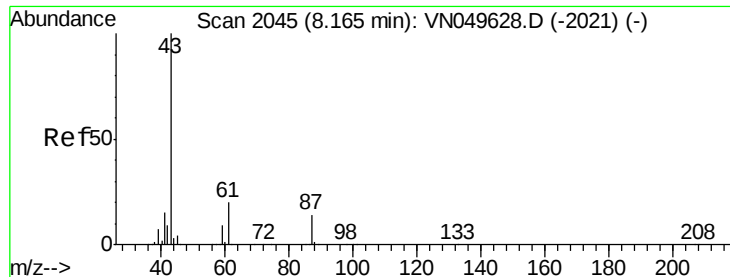
Tgt Ion: 62 Resp: 51185

Ion Ratio Lower Upper

62 100

98 9.3 0.0 19.0





#43

Isopropyl Acetate

Concen: 0.67 ug/l

RT: 8.14 min Scan# 2037

Delta R.T. -0.03 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

DUP-1

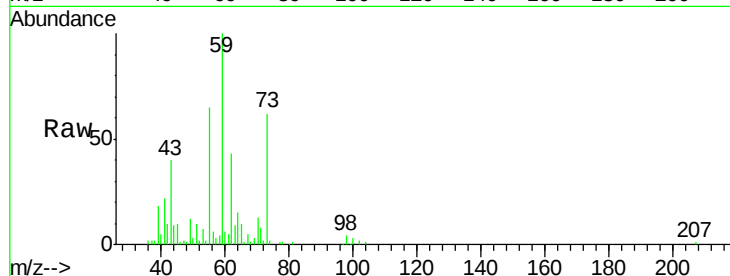
Tot Ion: 43 Resp: 35339

Ion Ratio Lower Upper

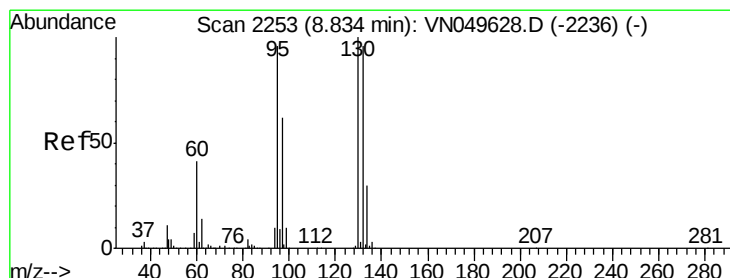
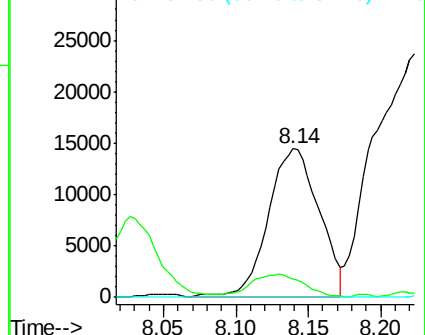
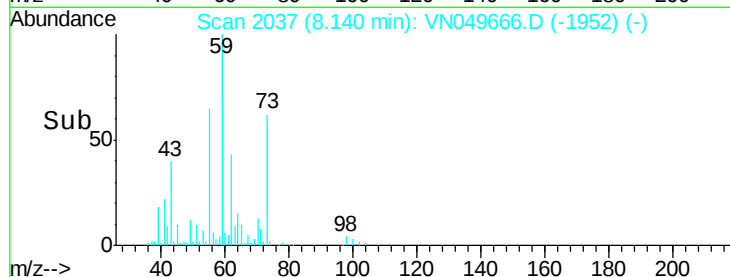
43 100

61 16.6 14.9 22.3

87 0.0 10.0 15.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049666.D (-1952) (-)



#44

Trichloroethene

Concen: 0.74 ug/l

RT: 8.84 min Scan# 2254

Delta R.T. 0.00 min

Lab File: VN049666.D

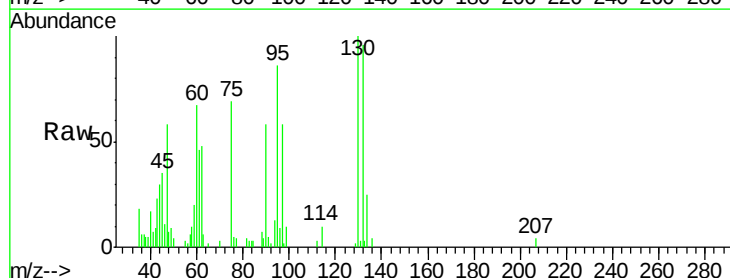
Acq: 2 Jul 2018 13:52

Tgt Ion:130 Resp: 16760

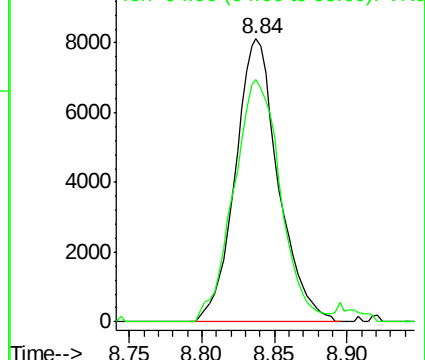
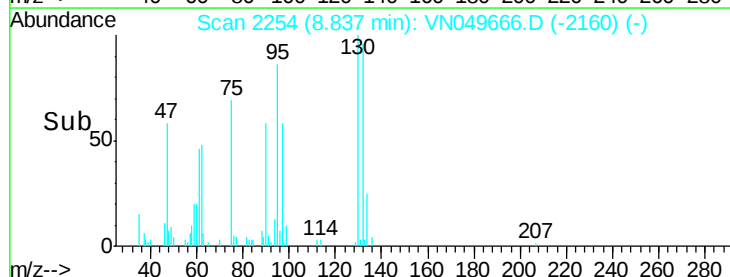
Ion Ratio Lower Upper

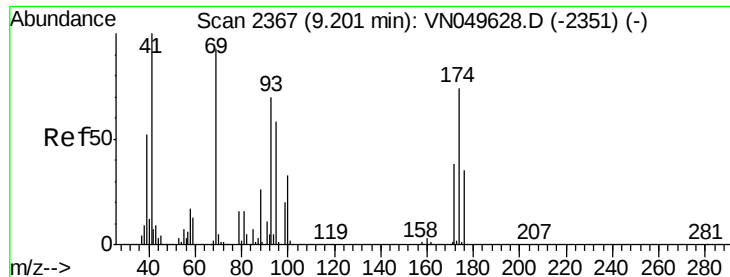
130 100

95 85.8 0.0 192.8



Abundance Ion 129.80 (129.50 to 130.50): VN049666.D (-2160) (-)

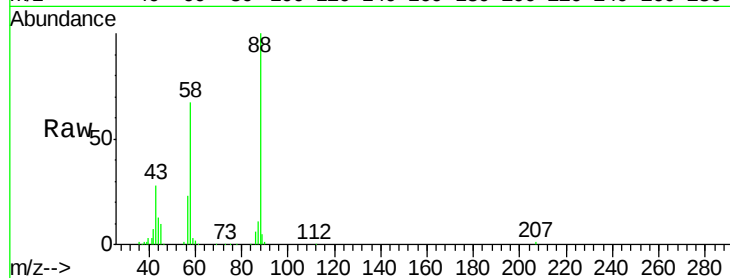




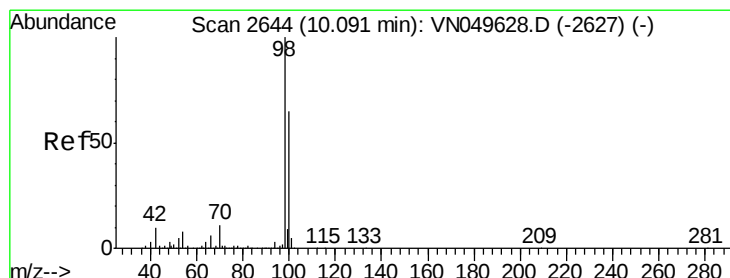
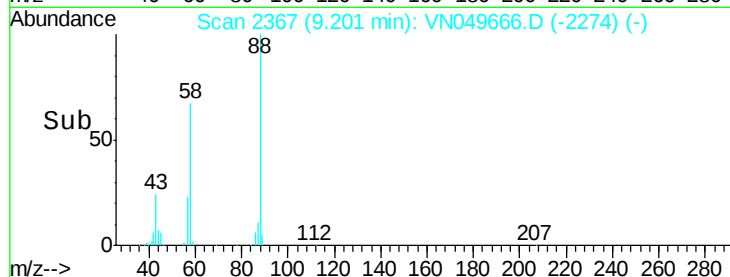
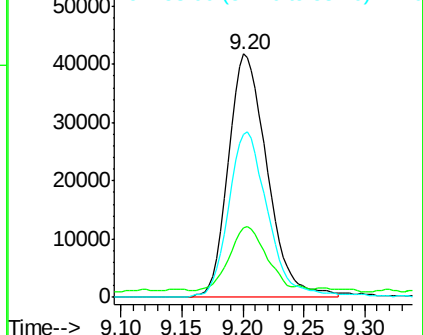
#49
1,4-Dioxane
Concen: 539.85 ug/l
RT: 9.20 min Scan# 2367
Delta R.T. -0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

Instrument :
MSVOA_N
ClientSampled :
DUP-1

Tot Ion: 88 Resp: 92709
Ion Ratio Lower Upper
88 100
43 25.3 25.1 37.7
58 68.9 52.5 78.7

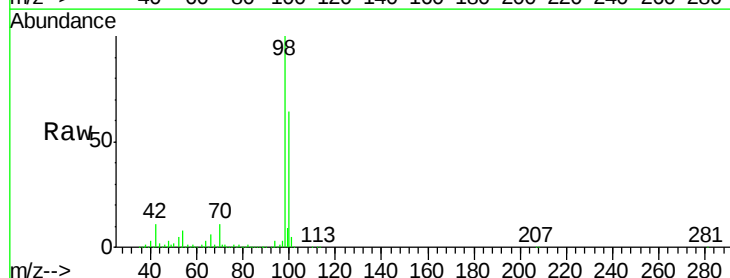


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

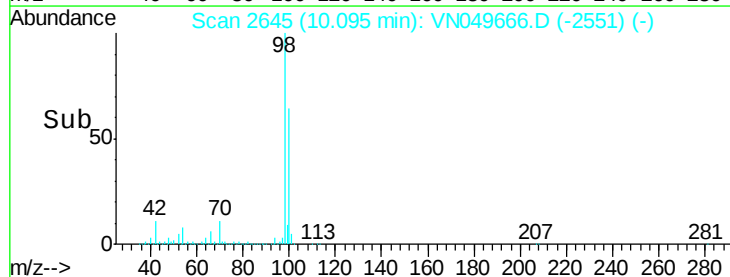
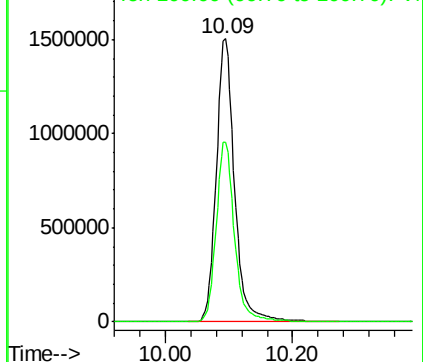


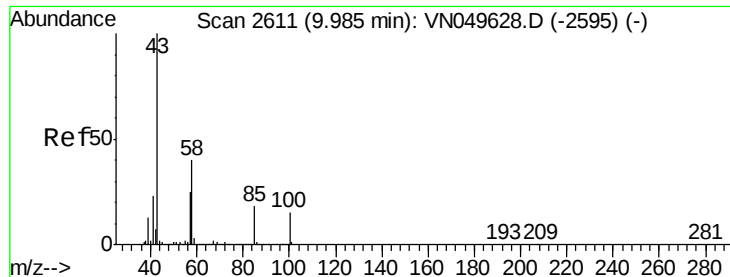
#50
Toluene-d8
Concen: 46.74 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049666.D
Acq: 2 Jul 2018 13:52

Tgt Ion: 98 Resp: 2996246
Ion Ratio Lower Upper
98 100
100 63.7 51.7 77.5



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: 0.20 ug/l

RT: 9.99 min Scan# 2612

Delta R.T. 0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

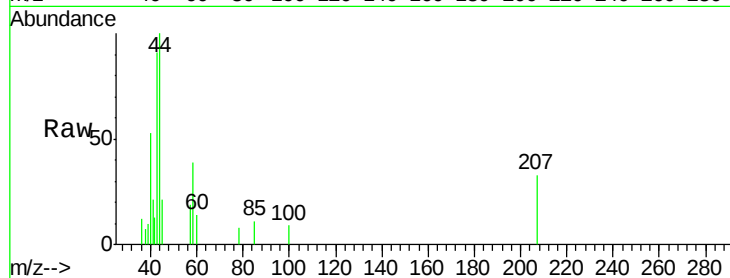
DUP-1

Tot Ion: 43 Resp: 2862

Ion Ratio Lower Upper

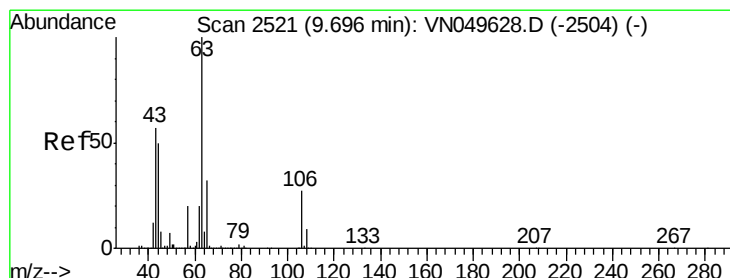
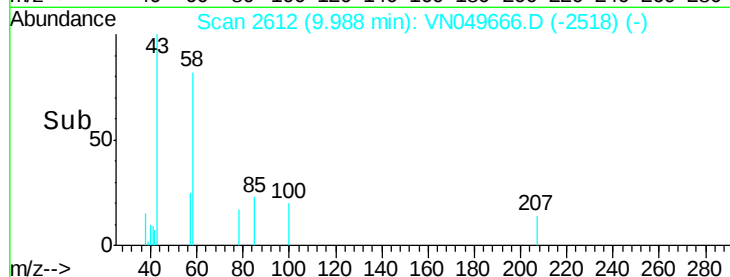
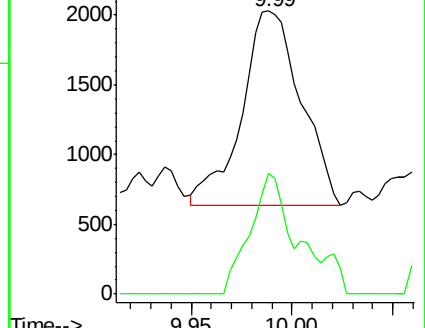
43 100

58 46.0 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) (-)



#58

2-Chloroethyl Vinyl ether

Concen: 10.92 ug/l

RT: 9.77 min Scan# 2545

Delta R.T. 0.08 min

Lab File: VN049666.D

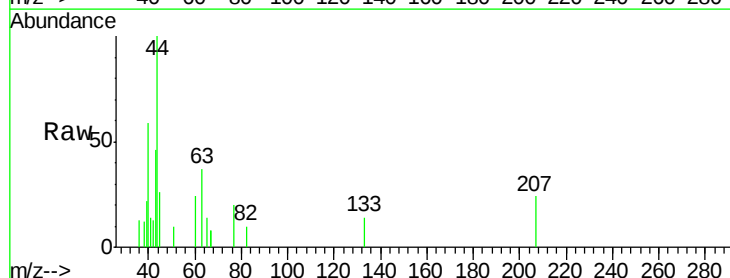
Acq: 2 Jul 2018 13:52

Tgt Ion: 63 Resp: 1083

Ion Ratio Lower Upper

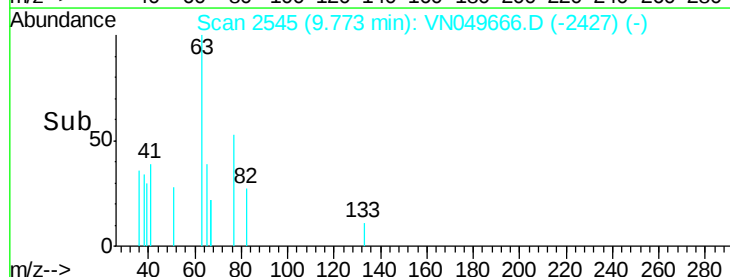
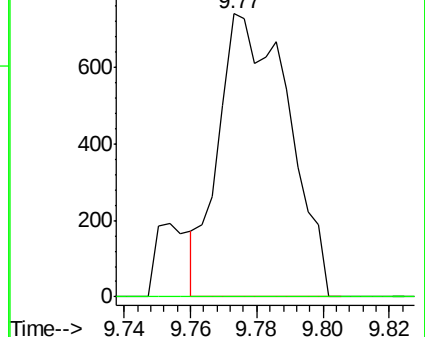
63 100

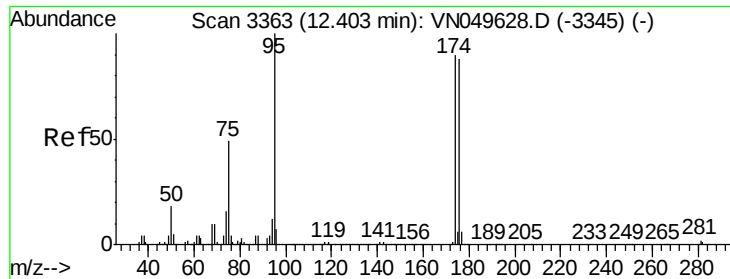
106 0.0 21.8 32.8#



Abundance Ion 62.90 (62.60 to 63.60): VN049628.D (-2504) (-)

Ion 105.90 (105.60 to 106.60): VN049628.D (-2504) (-)





#62

4-Bromofluorobenzene

Concen: 40.02 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

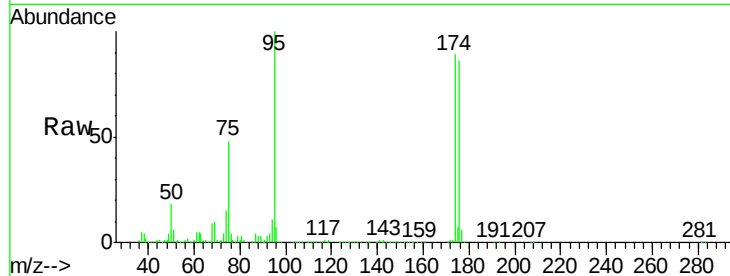
Tot Ion: 95 Resp: 875943

Ion Ratio Lower Upper

95 100

174 90.6 0.0 179.6

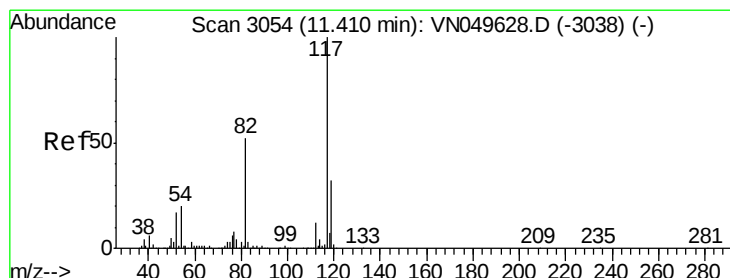
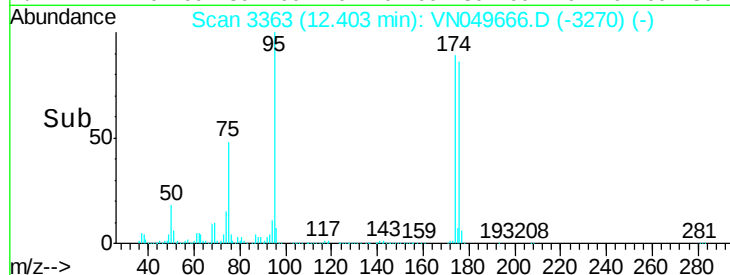
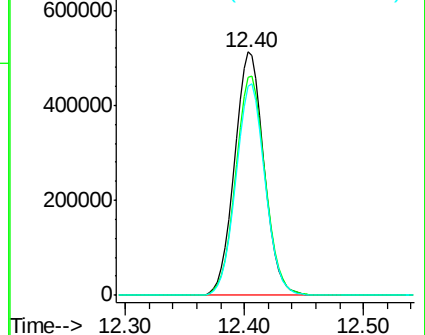
176 86.3 0.0 174.0



Abundance Ion 94.90 (94.60 to 95.60): VN0

Ion 173.80 (173.50 to 174.50): VN0

Ion 175.80 (175.50 to 176.50): VN0



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

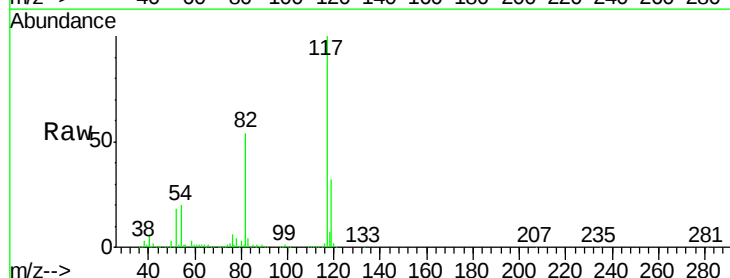
Tgt Ion: 117 Resp: 1855625

Ion Ratio Lower Upper

117 100

82 54.3 41.9 62.9

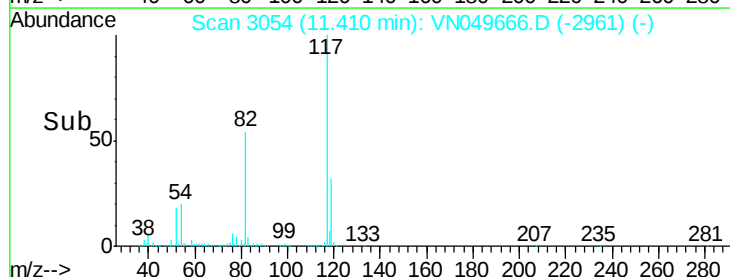
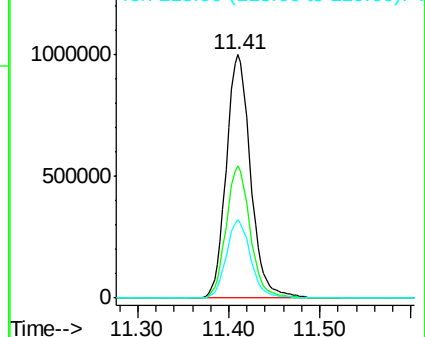
119 32.0 25.4 38.2

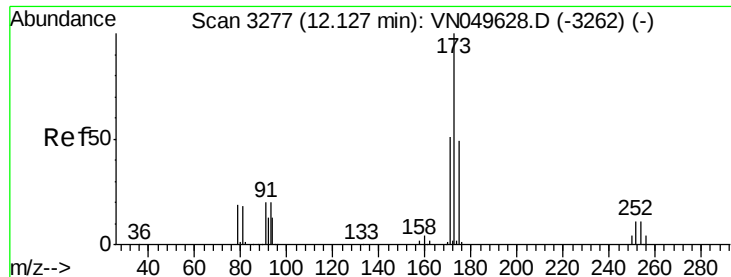


Abundance Ion 116.90 (116.60 to 117.60): VN0

Ion 82.00 (81.70 to 82.70): VN0

Ion 118.90 (118.60 to 119.60): VN0





#71

Bromoform

Concen: 0.62 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.28 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

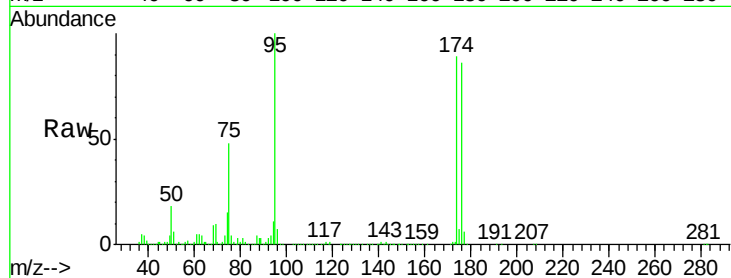
Tot Ion:173 Resp: 7153

Ion Ratio Lower Upper

173 100

175 646.8 24.6 73.8#

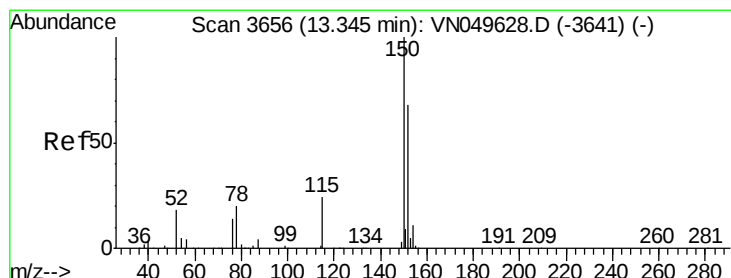
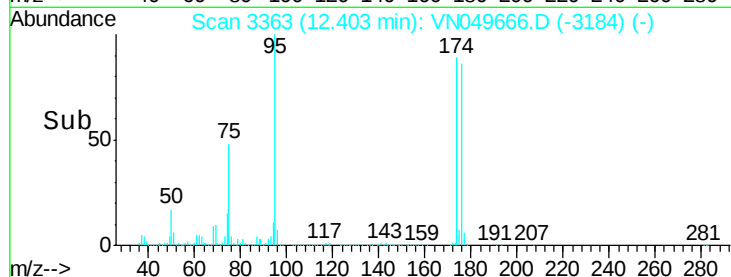
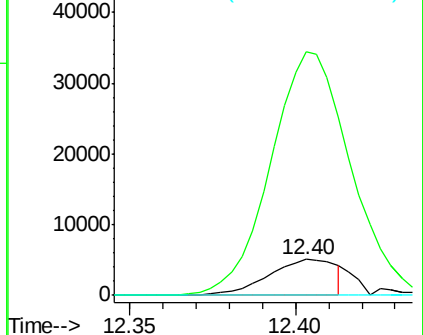
254 0.0 0.2 0.2#



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# 3657

Delta R.T. 0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

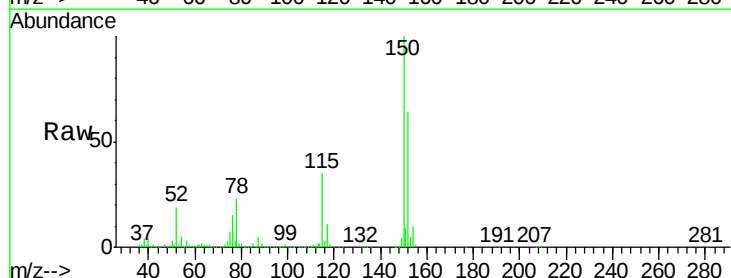
Tgt Ion:152 Resp: 708152

Ion Ratio Lower Upper

152 100

115 55.9 28.1 84.2

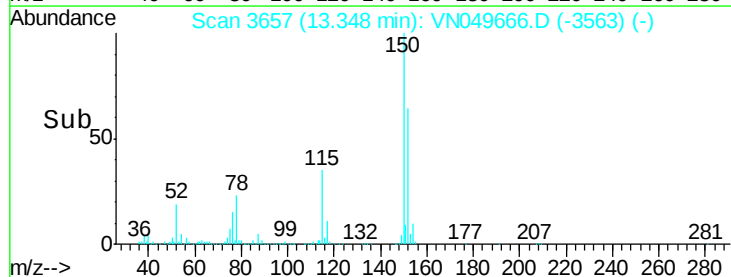
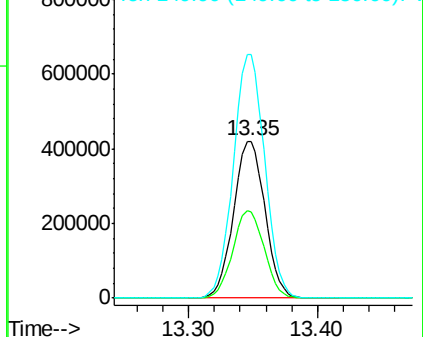
150 156.0 0.0 347.6

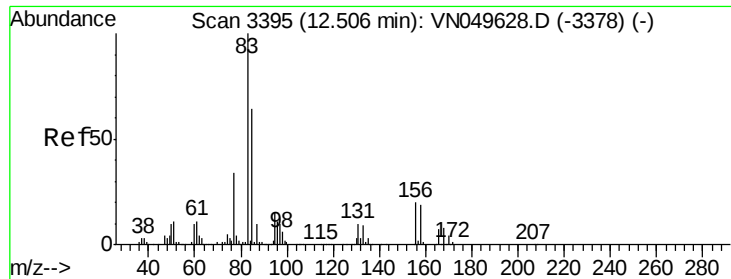


Abundance Ion 151.90 (151.60 to 152.60): V

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: 12.50 min Scan# 3394

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

DUP-1

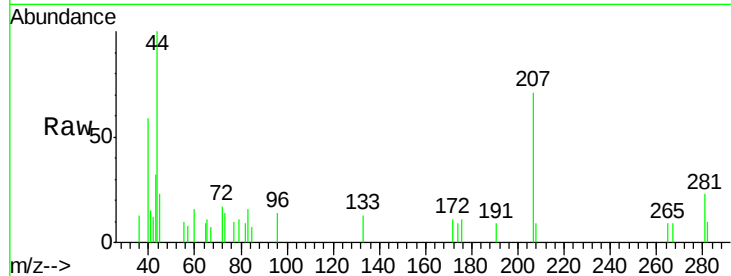
Tot Ion: 83 Resp: 533

Ion Ratio Lower Upper

83 100

131 0.0 5.2 15.6#

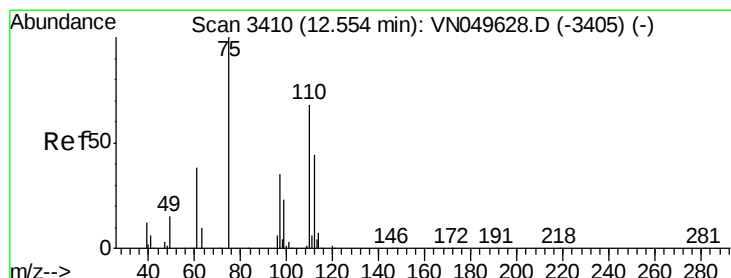
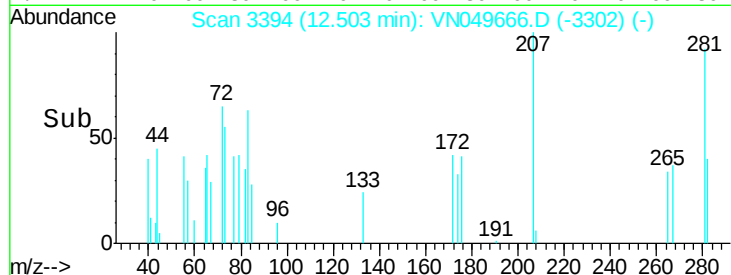
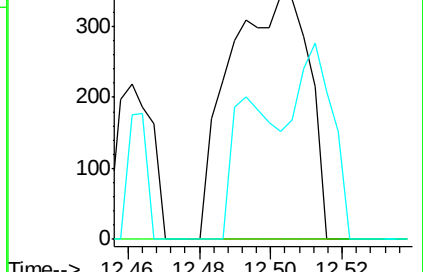
85 37.9 32.5 97.4



Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0



#76

1,2,3-Trichloropropane

Concen: 36.77 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049666.D

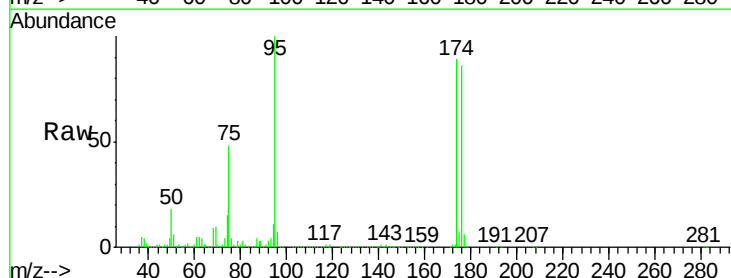
Acq: 2 Jul 2018 13:52

Tgt Ion: 75 Resp: 417597

Ion Ratio Lower Upper

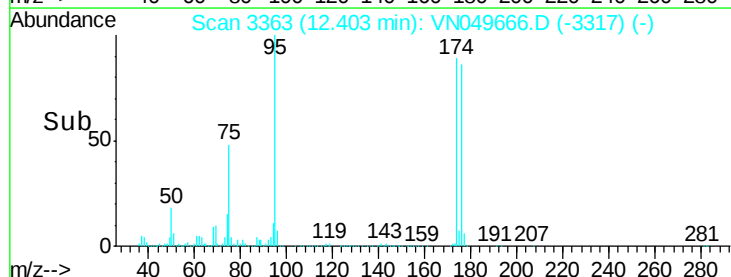
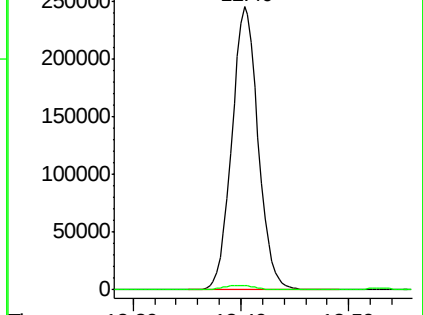
75 100

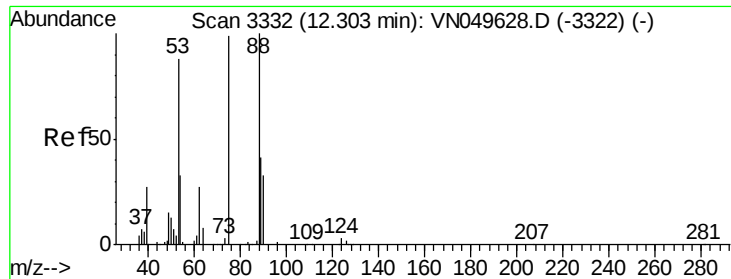
77 2.1 0.0 0.0#



Abundance Ion 74.90 (74.60 to 75.60): VN0

Ion 77.00 (76.70 to 77.70): VN0





#81

trans-1,4-Dichloro-2-butene

Concen: 124.88 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampleId :

DUP-1

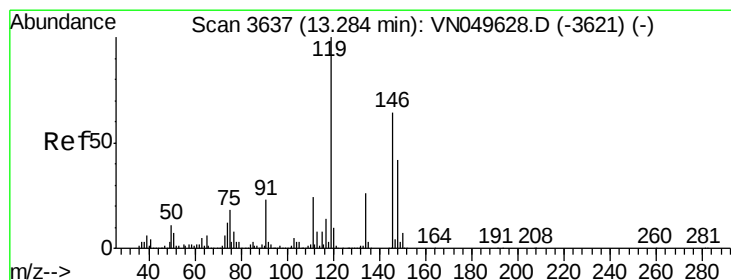
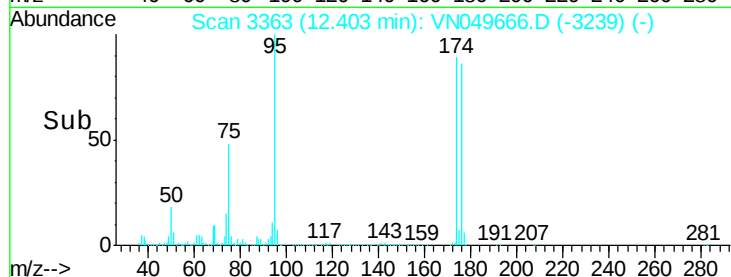
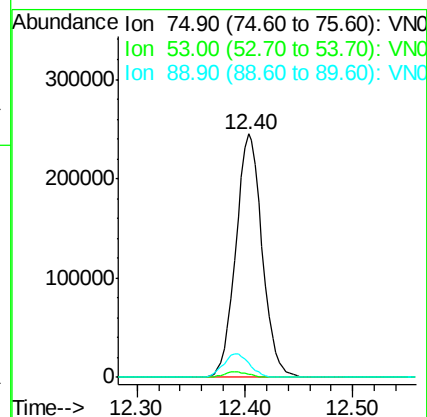
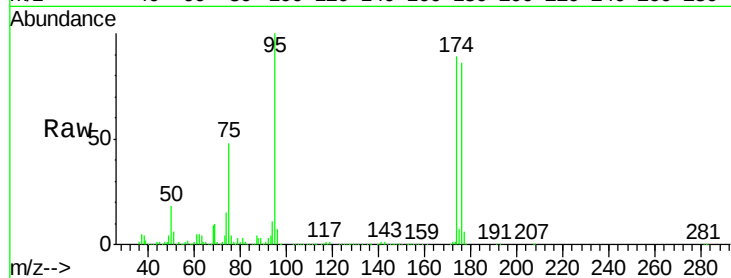
Tot Ion: 75 Resp: 417597

Ion Ratio Lower Upper

75 100

53 2.2 73.9 110.9#

89 9.8 35.9 53.9#



#87

1,3-Dichlorobenzene

Concen: Below Cal

RT: 13.28 min Scan# 3637

Delta R.T. 0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

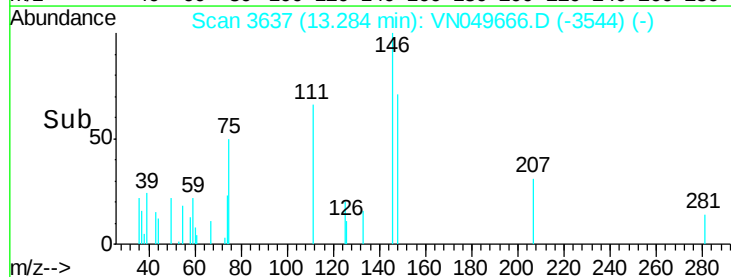
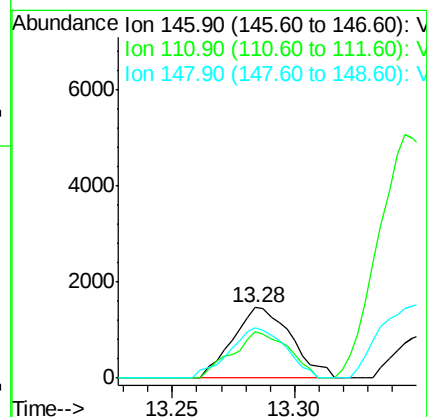
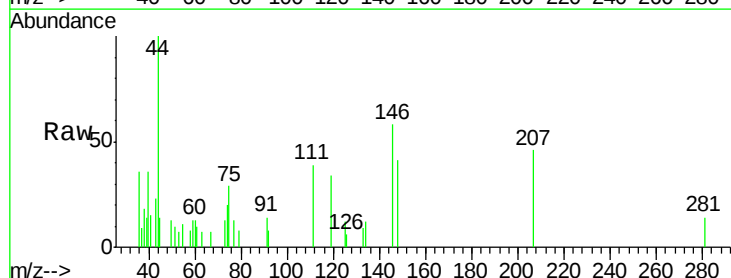
Tgt Ion: 146 Resp: 2440

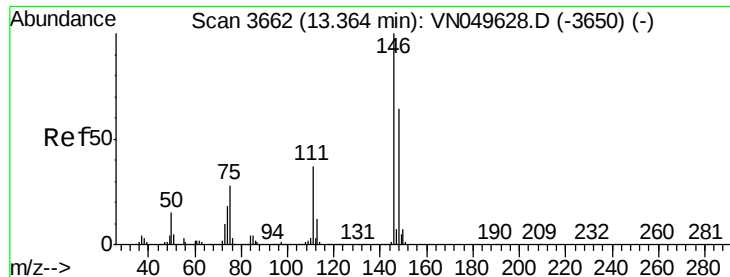
Ion Ratio Lower Upper

146 100

111 63.1 19.0 57.0#

148 68.1 32.5 97.5

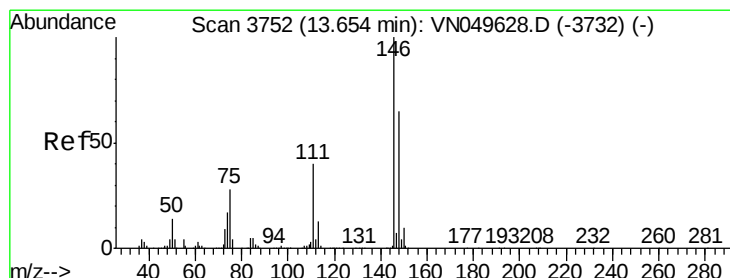
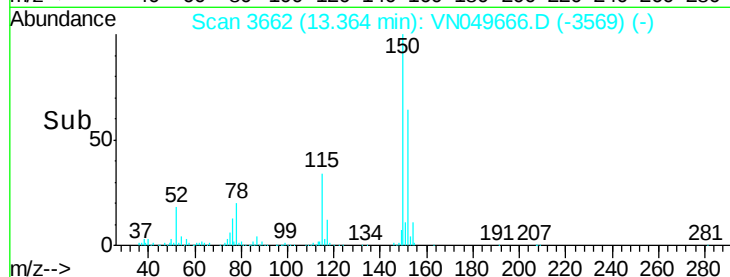
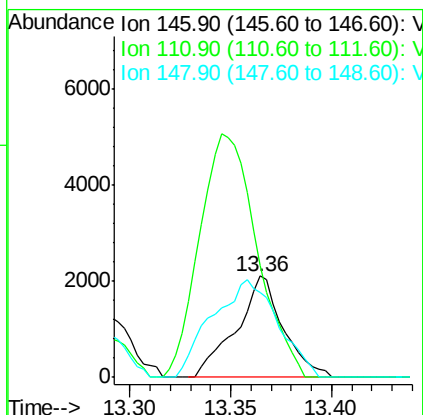
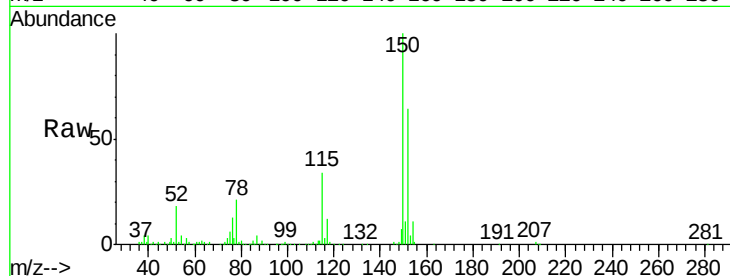




#88
 1,4-Dichlorobenzene
 Concen: Below Cal
 RT: 13.36 min Scan# 3662
 Delta R.T. 0.00 min
 Lab File: VN049666.D
 Acq: 2 Jul 2018 13:52

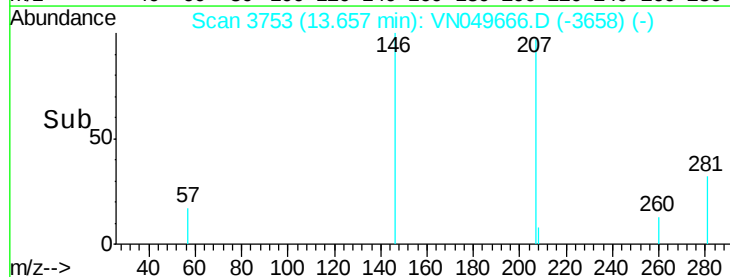
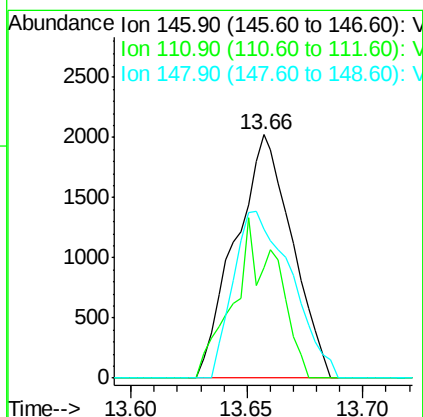
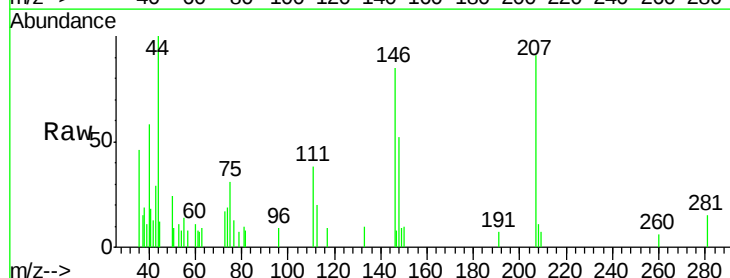
Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1

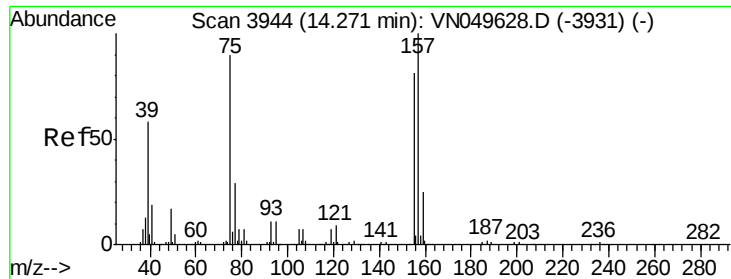
Tot Ion:146 Resp: 3428
 Ion Ratio Lower Upper
 146 100
 111 291.2 18.9 56.5#
 148 135.0 32.1 96.3#



#91
 1,2-Dichlorobenzene
 Concen: Below Cal
 RT: 13.66 min Scan# 3753
 Delta R.T. 0.00 min
 Lab File: VN049666.D
 Acq: 2 Jul 2018 13:52

Tgt Ion:146 Resp: 3437
 Ion Ratio Lower Upper
 146 100
 111 32.6 19.7 59.1
 148 70.4 32.0 96.2





#92

1,2-Dibromo-3-Chloropropane

Concen: Below Cal

RT: 14.25 min Scan# 3938

Delta R.T. -0.02 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

DUP-1

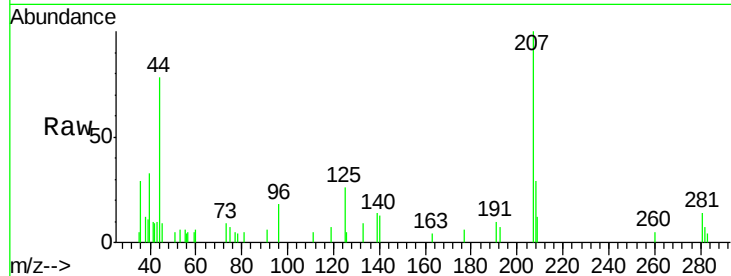
Tot Ion: 75 Resp: 394

Ion Ratio Lower Upper

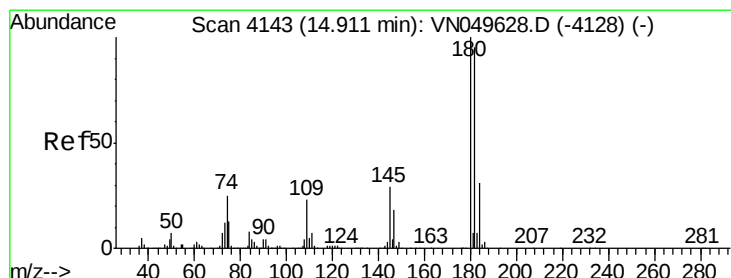
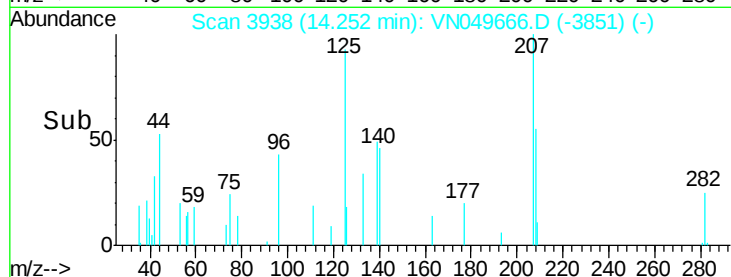
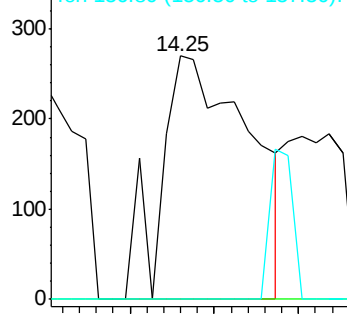
75 100

155 0.0 45.7 137.1#

157 0.0 56.9 170.7#



Abundance Ion 74.90 (74.60 to 75.60): VN049666.D (-3931) (-)



#93

1,2,4-Trichlorobenzene

Concen: 2.57 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

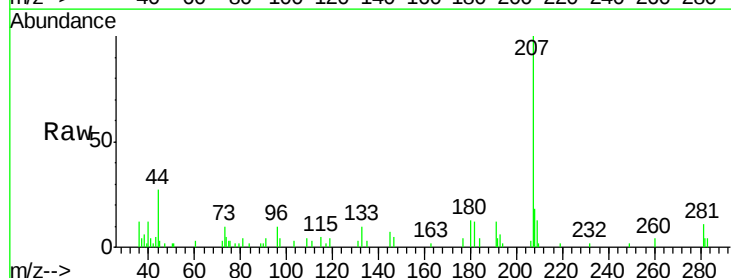
Tgt Ion: 180 Resp: 2256

Ion Ratio Lower Upper

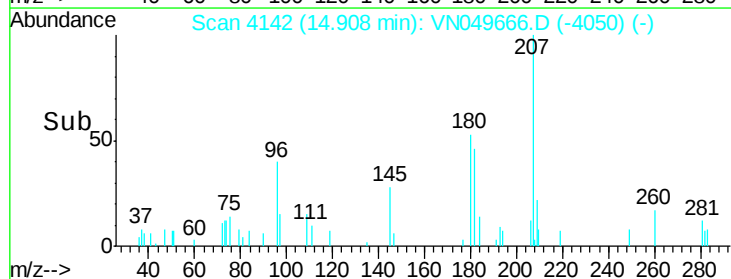
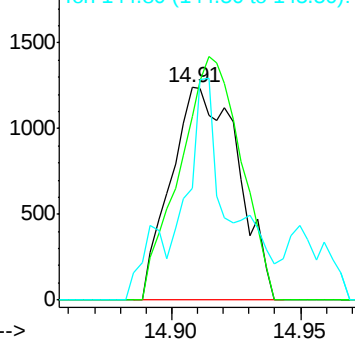
180 100

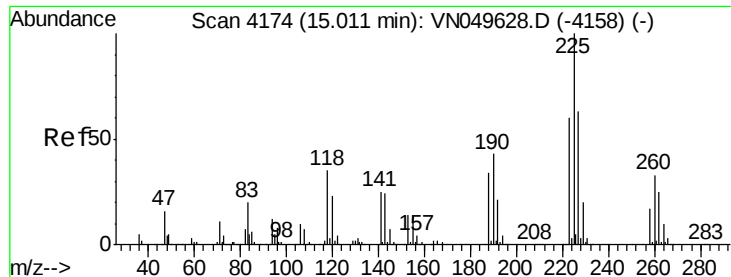
182 104.3 47.3 141.9

145 34.8 14.4 43.0



Abundance Ion 179.80 (179.50 to 180.50): VN049666.D (-4050) (-)





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.01 min Scan# 4175

Delta R.T. 0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

Instrument :

MSVOA_N

ClientSampled :

DUP-1

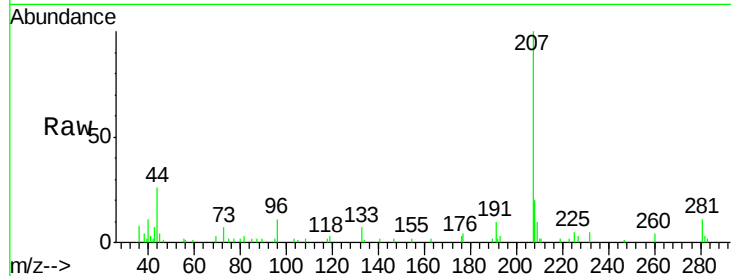
Tot Ion:225 Resp: 576

Ion Ratio Lower Upper

225 100

223 71.0 30.9 92.7

227 81.6 31.8 95.4

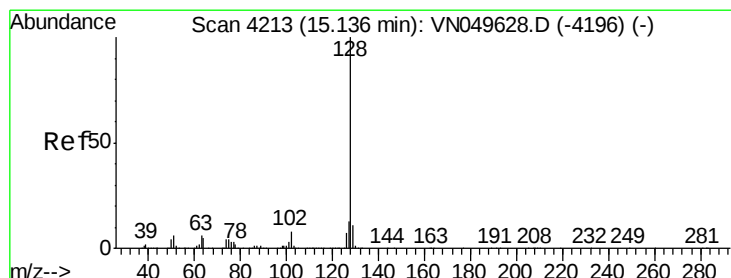
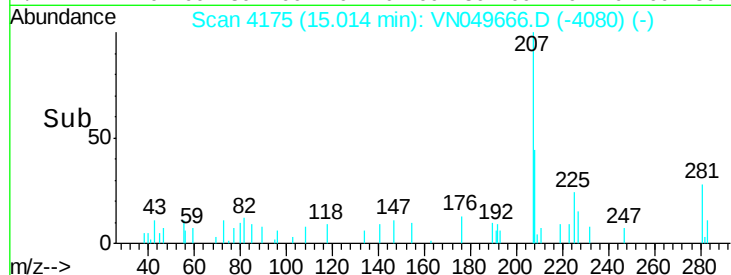
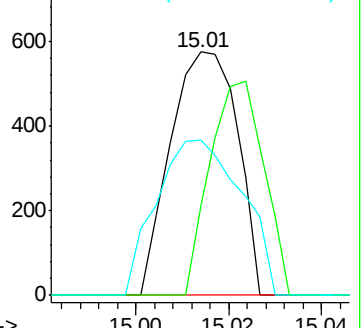


Abundance

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: 4.25 ug/l

RT: 15.14 min Scan# 4214

Delta R.T. 0.00 min

Lab File: VN049666.D

Acq: 2 Jul 2018 13:52

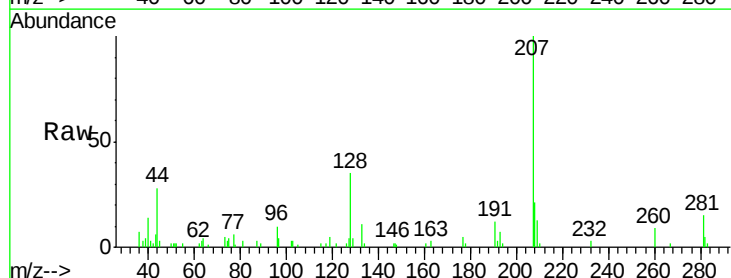
Tgt Ion:128 Resp: 6683

Ion Ratio Lower Upper

128 100

127 11.1 10.4 15.6

129 10.3 8.6 13.0

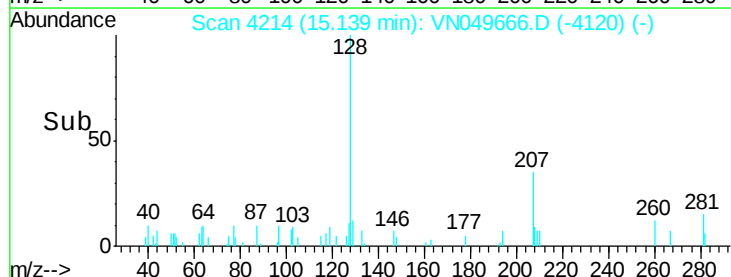
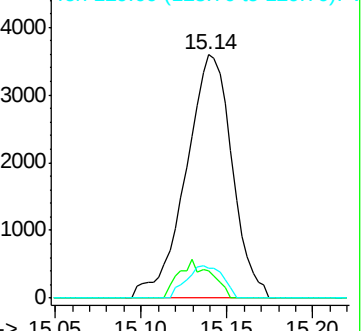


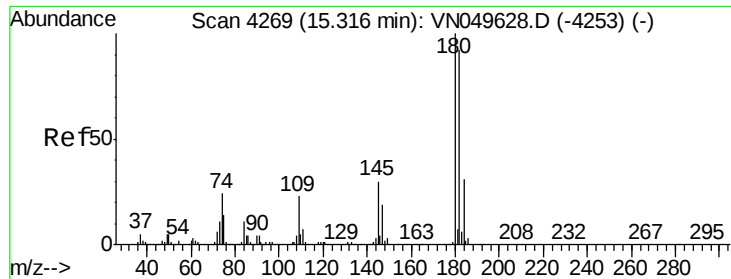
Abundance

Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

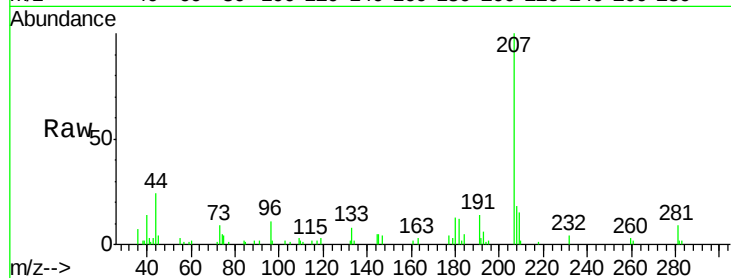




#96
 1,2,3-Trichlorobenzene
 Concen: 1.84 ua/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049666.D
 Acq: 2 Jul 2018 13:52

Instrument :
 MSVOA_N
 ClientSampleId :
 DUP-1

Tot Ion:180 Resp: 2431
 Ion Ratio Lower Upper
 180 100
 182 117.6 47.4 142.2
 145 52.8 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

