

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049355.D
 Acq On : 18 Jun 2018 20:22
 Operator : MD\SY
 Sample : PB110313ZHE#20
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:35:28 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061618W.M
 Quant Title : SW846 8260
 QLast Update : Sat Jun 16 01:02:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	1265211	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2068154	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1680155	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	552952	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	859719	51.23	ug/l	0.00
Spiked Amount			Recovery	=	102.46%	
35) Dibromofluoromethane	7.59	113	748765	44.75	ug/l	0.00
Spiked Amount			Recovery	=	89.50%	
50) Toluene-d8	10.09	98	2754321	43.23	ug/l	0.00
Spiked Amount			Recovery	=	86.46%	
62) 4-Bromofluorobenzene	12.41	95	747522	35.48	ug/l	0.00
Spiked Amount			Recovery	=	70.96%	

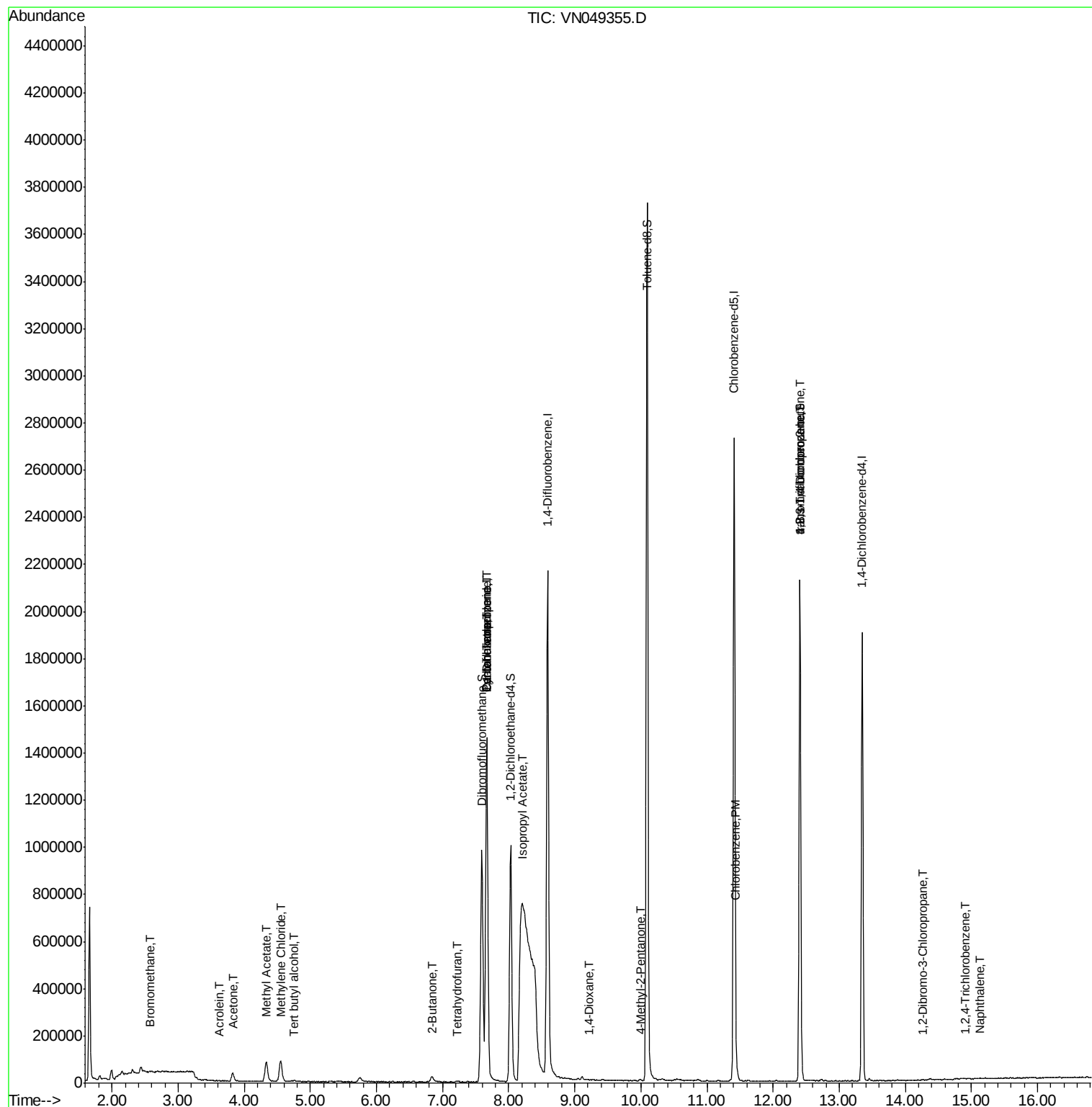
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
5) Bromomethane	2.56	94	2238	0.21	ug/l #	56
11) Tert butyl alcohol	4.75	59	3374	3.43	ug/l #	70
13) Acrolein	3.62	56	383	0.37	ug/l #	43
16) Acetone	3.82	43	55994	13.74	ug/l	99
18) Methyl Acetate	4.34	43	166396	13.39	ug/l	95
20) Methylene Chloride	4.55	84	67805	3.98	ug/l	87
25) 2-Butanone	6.86	43	7586	1.39	ug/l	96
29) Tetrahydrofuran	7.22	42	1578	0.45	ug/l #	79
31) Cyclohexane	7.67	56	23571	0.78	ug/l #	1
36) 1,1-Dichloropropene	7.67	75	88779	3.75	ug/l #	50
38) Carbon Tetrachloride	7.67	117	110544	4.50	ug/l #	18
43) Isopropyl Acetate	8.21	43	1463038	59.42	ug/l #	64
49) 1,4-Dioxane	9.21	88	241	1.51	ug/l #	1
51) 4-Methyl-2-Pentanone	9.99	43	5854	0.45	ug/l	98
65) Chlorobenzene	11.44	112	23777	0.55	ug/l	98
75) 1,1,2,2-Tetrachloroethane	12.55	83	29	Below Cal	#	1
76) 1,2,3-Trichloropropane	12.41	75	363199	38.50	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.41	75	363199	121.67	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.26	75	680	0.40	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	304	4.77	ug/l #	62
95) Naphthalene	15.13	128	856	2.14	ug/l #	69

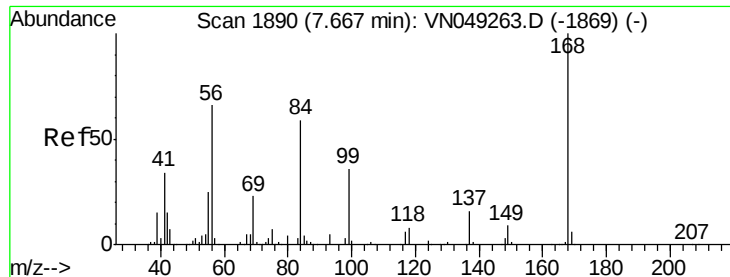
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Acq On : 18 Jun 2018 20:22
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Quant Title : SW846 8260
QLast Update : Sat Jun 16 01:02:01 2018
Response via : Initial Calibration





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. -0.00 min

Lab File: VN049355.D

Acq: 18 Jun 2018 20:22

Instrument :

MSVOA_N

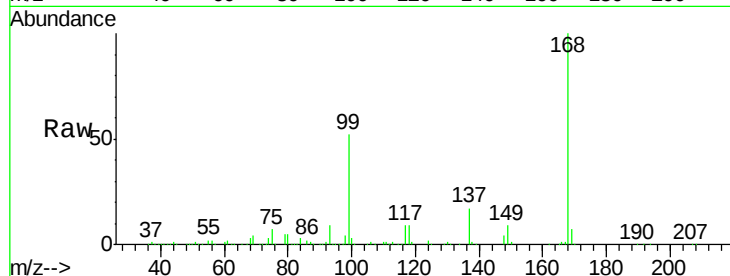
ClientSampleId :

Tot Ion:168 Resp: 1265211

Ion Ratio Lower Upper

168 100

99 51.9 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049263.D (-1869) (-)

Ion 98.90 (98.60 to 99.60): VN049263.D (-1869) (-)

7.67

600000

500000

400000

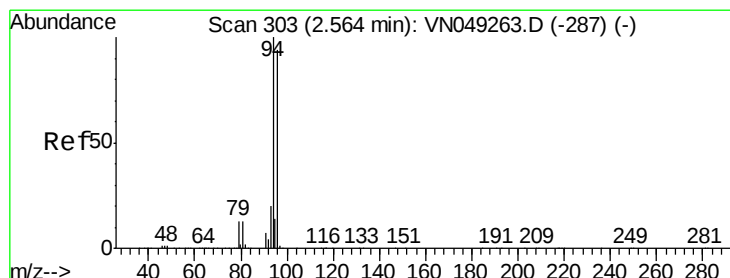
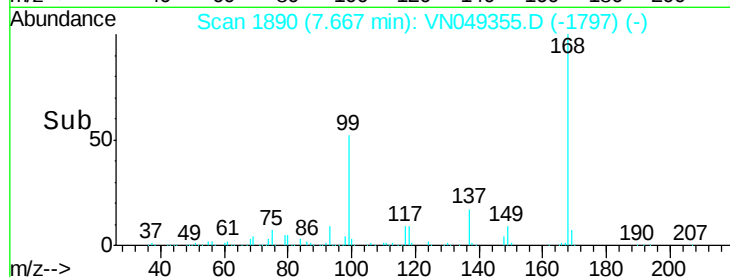
300000

200000

100000

0

Time-->



#5

Bromomethane

Concen: 0.21 ug/l

RT: 2.56 min Scan# 303

Delta R.T. -0.00 min

Lab File: VN049355.D

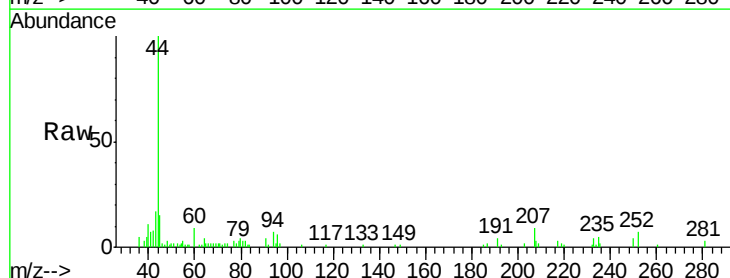
Acq: 18 Jun 2018 20:22

Tgt Ion: 94 Resp: 2238

Ion Ratio Lower Upper

94 100

96 49.6 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN049263.D (-287) (-)

Ion 95.90 (95.60 to 96.60): VN049263.D (-287) (-)

2.56

1200

1000

800

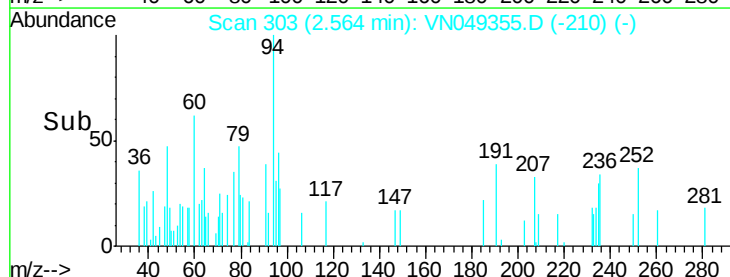
600

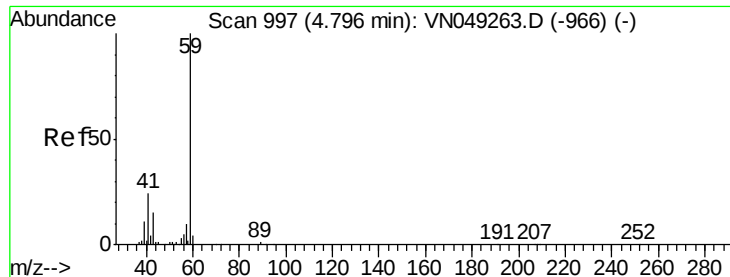
400

200

0

Time-->

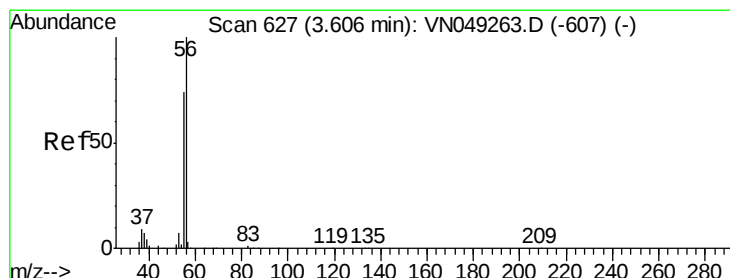
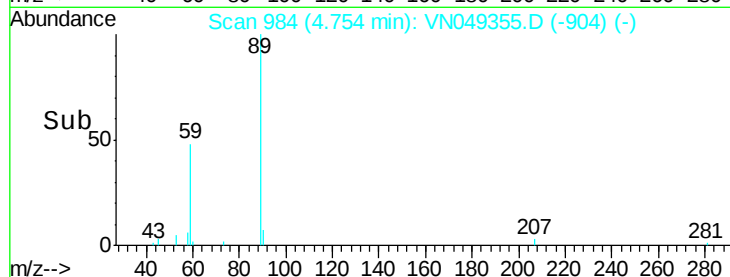
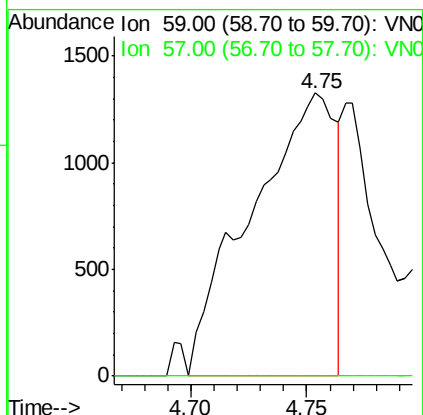
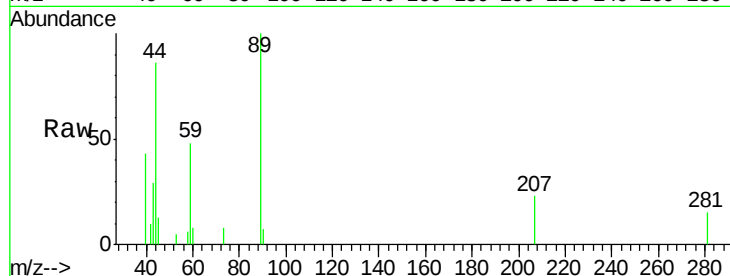




#11
Tert butyl alcohol
Concen: 3.43 ug/l
RT: 4.75 min Scan# 984
Delta R.T. -0.04 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

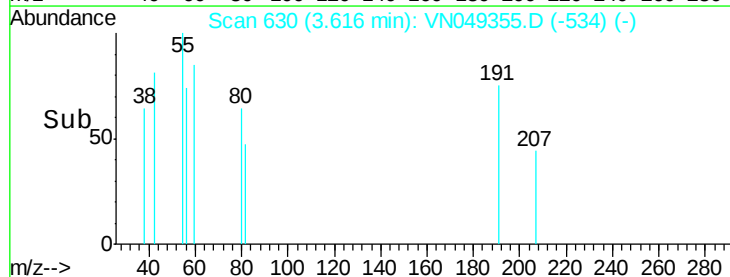
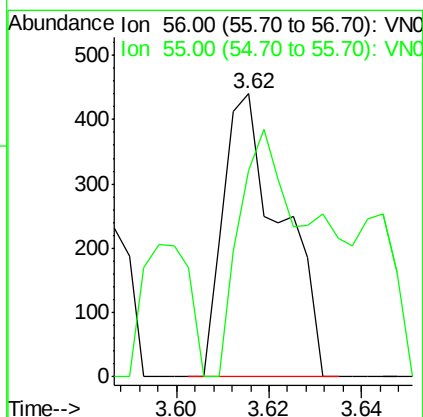
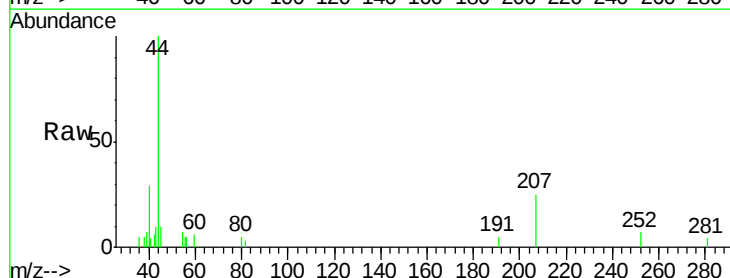
Instrument :
MSVOA_N
ClientSampled :

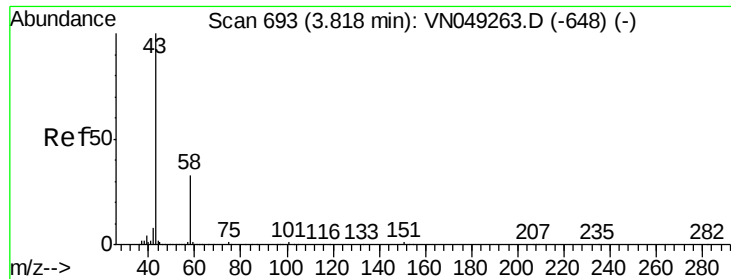
Tot Ion: 59 Resp: 3374
Ion Ratio Lower Upper
59 100
57 0.0 9.0 13.6#



#13
Acrolein
Concen: 0.37 ug/l
RT: 3.62 min Scan# 630
Delta R.T. 0.01 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Tgt Ion: 56 Resp: 383
Ion Ratio Lower Upper
56 100
55 118.5 57.1 85.7#





#16

Acetone

Concen: 13.74 ug/l

RT: 3.82 min Scan# 694

Delta R.T. 0.00 min

Lab File: VN049355.D

Acq: 18 Jun 2018 20:22

Instrument :

MSVOA_N

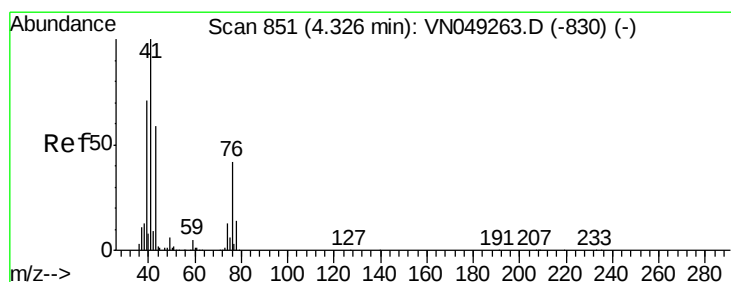
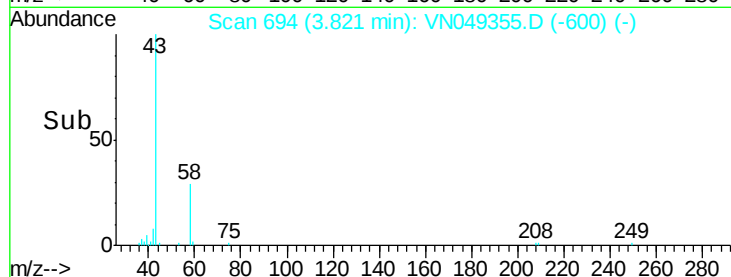
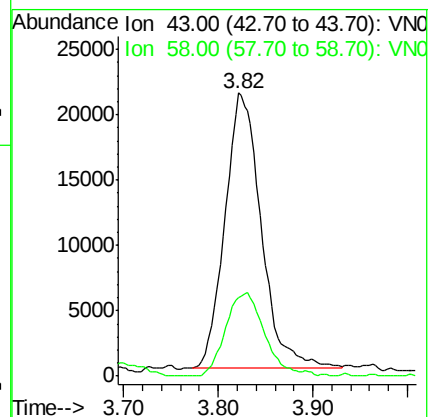
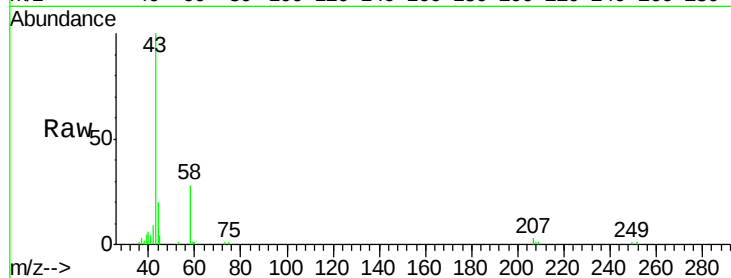
ClientSampleId :

Tot Ion: 43 Resp: 55994

Ion Ratio Lower Upper

43 100

58 28.6 22.4 33.6



#18

Methyl Acetate

Concen: 13.39 ug/l

RT: 4.34 min Scan# 854

Delta R.T. 0.01 min

Lab File: VN049355.D

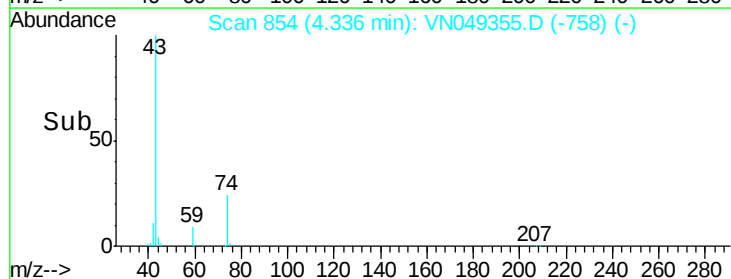
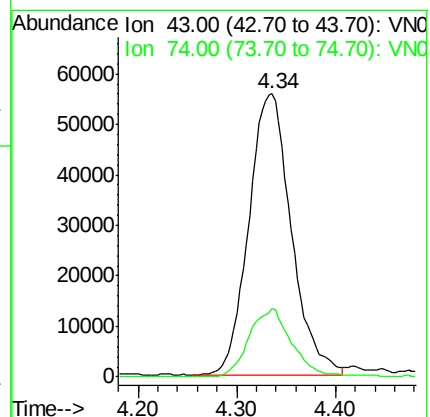
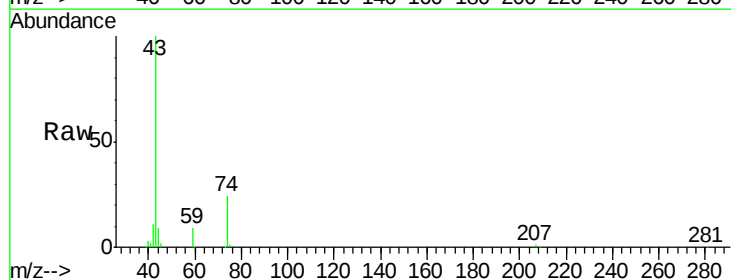
Acq: 18 Jun 2018 20:22

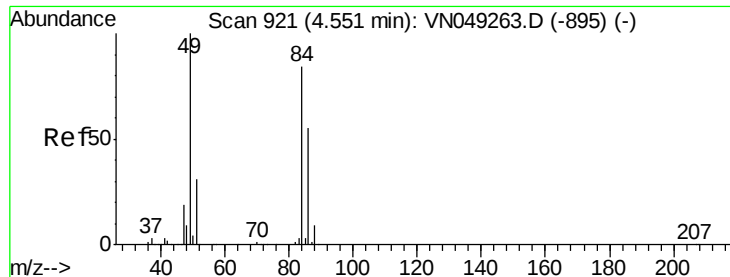
Tgt Ion: 43 Resp: 166396

Ion Ratio Lower Upper

43 100

74 24.0 17.4 26.0

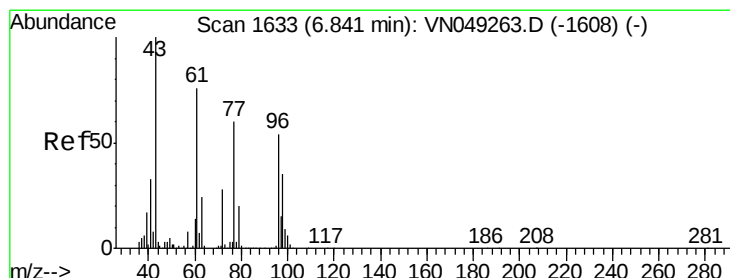
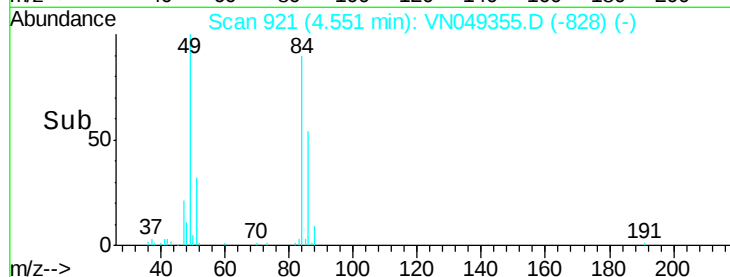
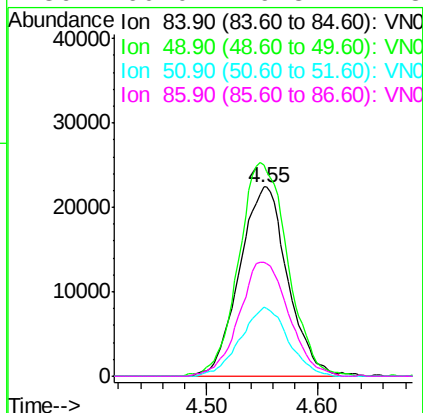
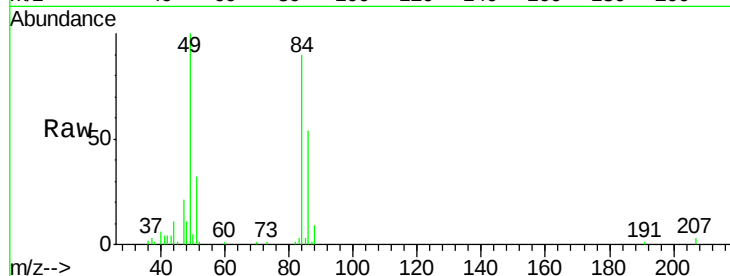




#20
Methvlene Chloride
Concen: 3.98 ug/l
RT: 4.55 min Scan# 921
Delta R.T. -0.00 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

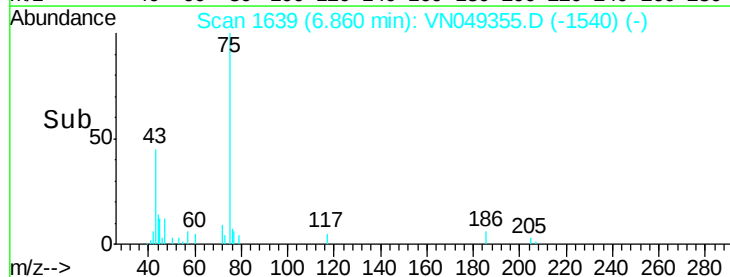
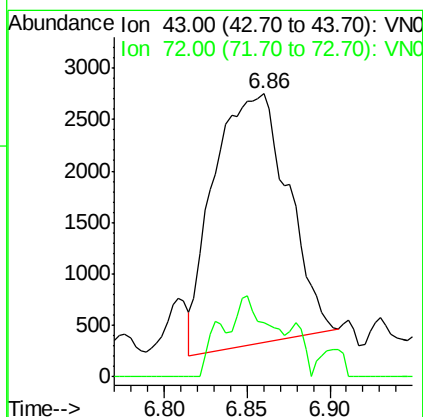
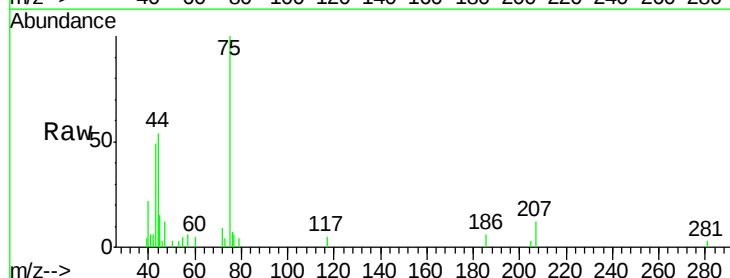
Instrument :
MSVOA_N
ClientSampleId :

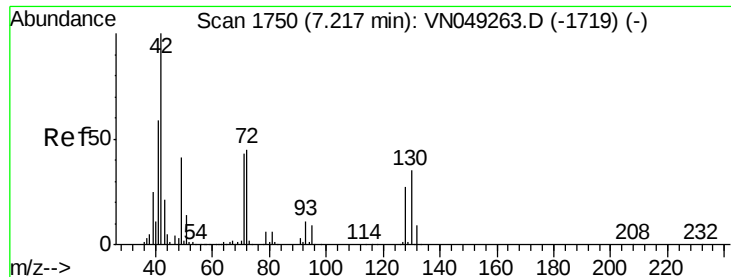
Tot Ion:	84	Resp:	67805
Ion	Ratio	Lower	Upper
84	100		
49	110.6	106.9	160.3
51	36.3	32.7	49.1
86	60.0	49.8	74.8



#25
2-Butanone
Concen: 1.39 ug/l
RT: 6.86 min Scan# 1639
Delta R.T. 0.02 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Tgt Ion:	43	Resp:	7586
Ion	Ratio	Lower	Upper
43	100		
72	23.3	20.2	30.2

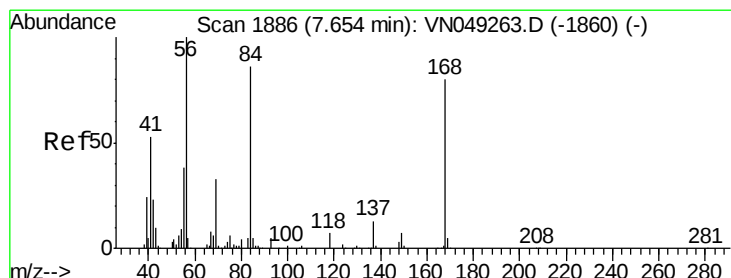
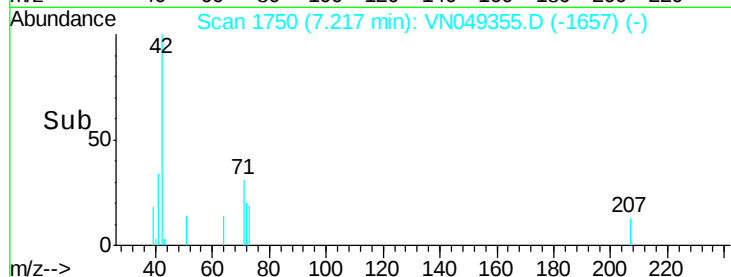
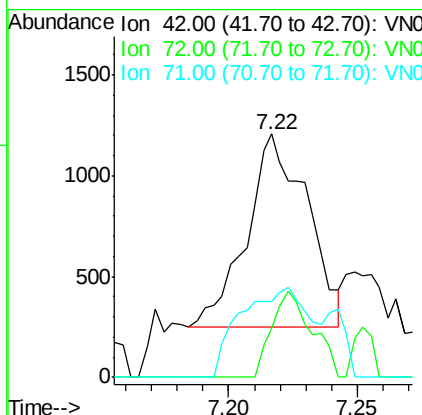
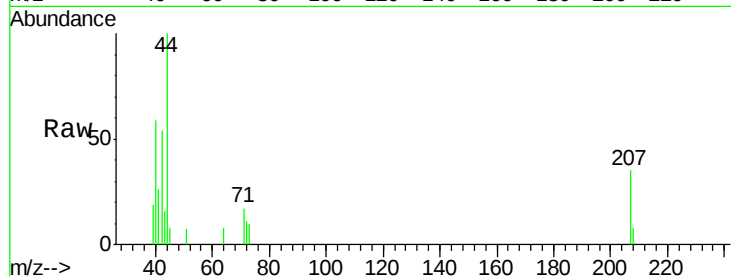




#29
Tetrahydrofuran
Concen: 0.45 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. -0.00 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

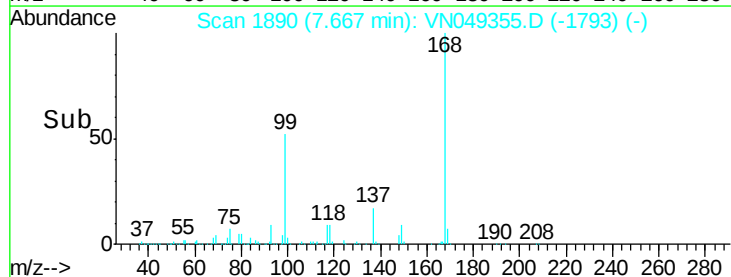
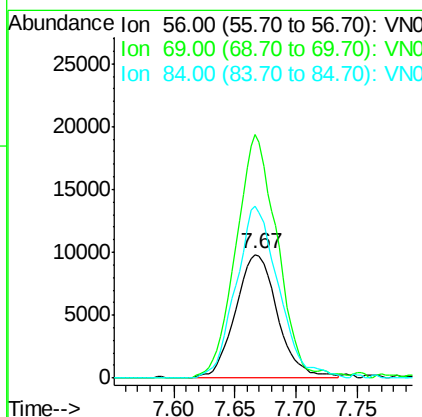
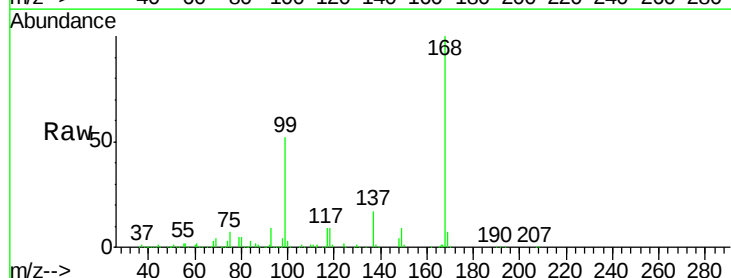
Instrument :
MSVOA_N
ClientSampleId :

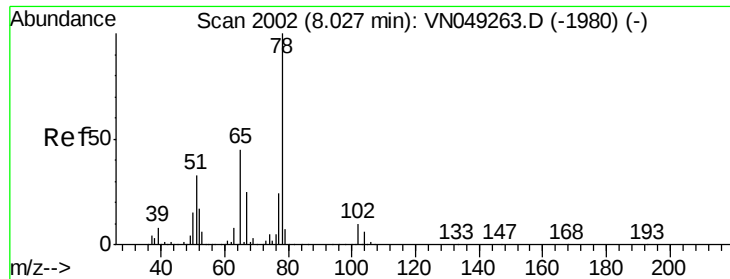
Tot Ion: 42 Resp: 1578
Ion Ratio Lower Upper
42 100
72 29.5 32.2 48.4#
71 53.1 30.5 45.7#



#31
Cyclohexane
Concen: 0.78 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Tgt Ion: 56 Resp: 23571
Ion Ratio Lower Upper
56 100
69 196.7 25.0 37.4#
84 138.9 64.6 96.8#

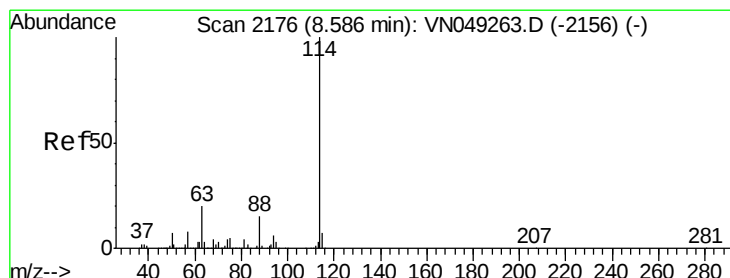
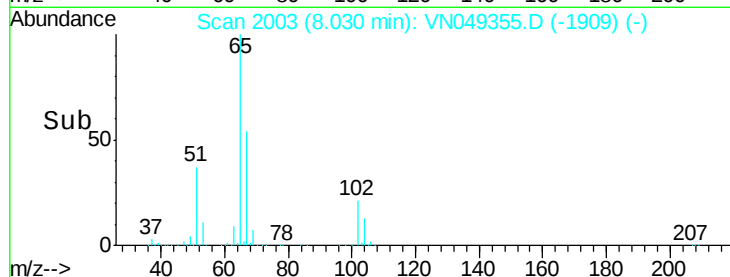
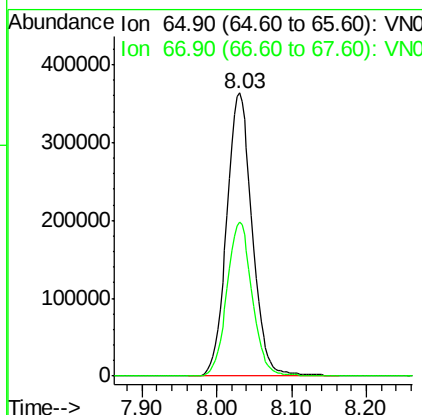
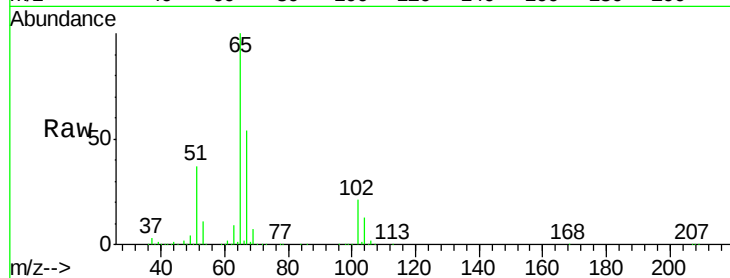




#33
 1,2-Dichloroethane-d4
 Concen: 51.23 ug/l
 RT: 8.03 min Scan# 2003
 Delta R.T. 0.00 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

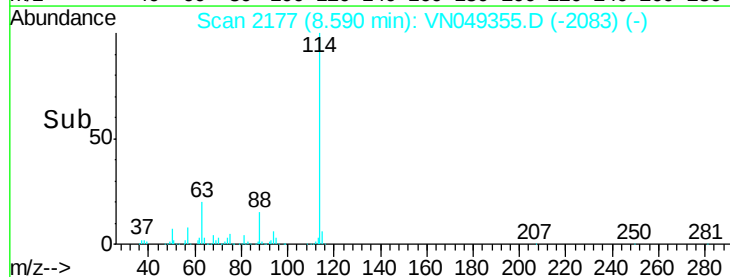
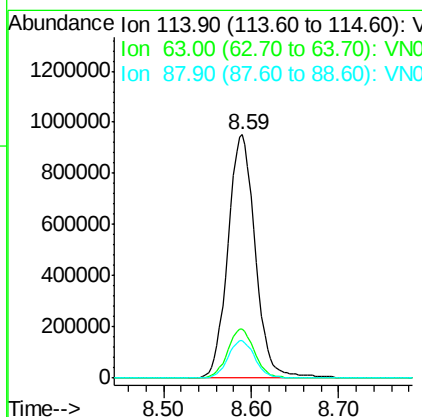
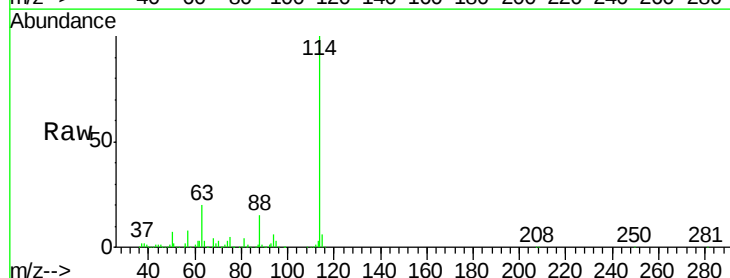
Instrument :
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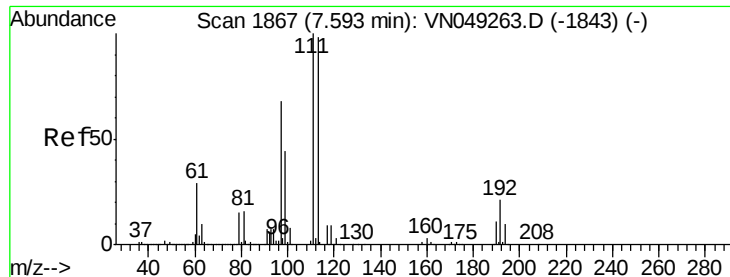
Tot Ion: 65 Resp: 859719
 Ion Ratio Lower Upper
 65 100
 67 54.1 0.0 103.8



#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

Tgt Ion: 114 Resp: 2068154
 Ion Ratio Lower Upper
 114 100
 63 20.0 0.0 44.4
 88 15.2 0.0 31.4

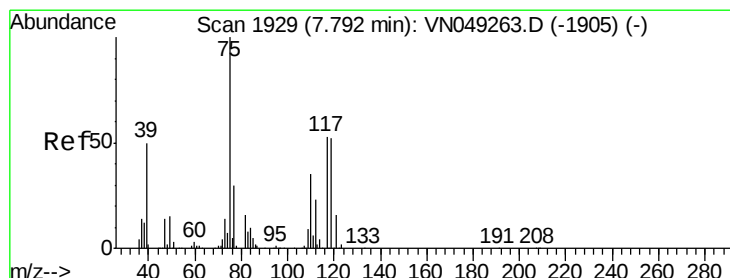
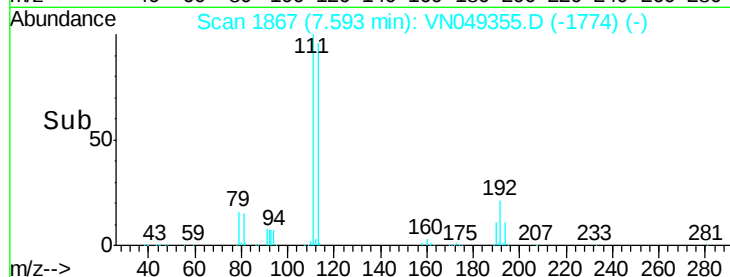
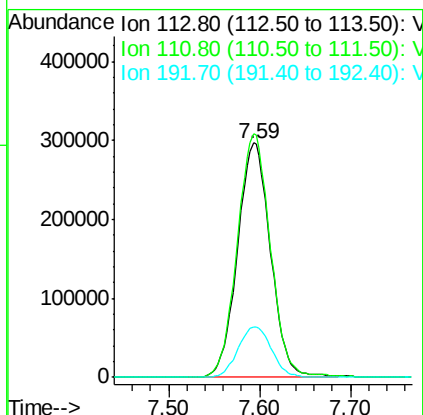
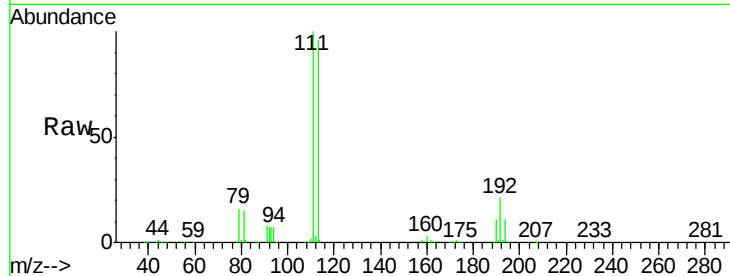




#35
 Dibromofluoromethane
 Concen: 44.75 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. -0.00 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

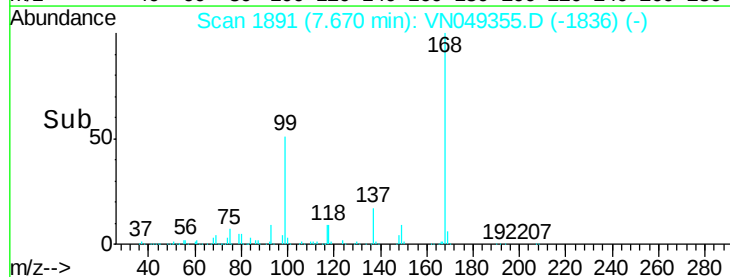
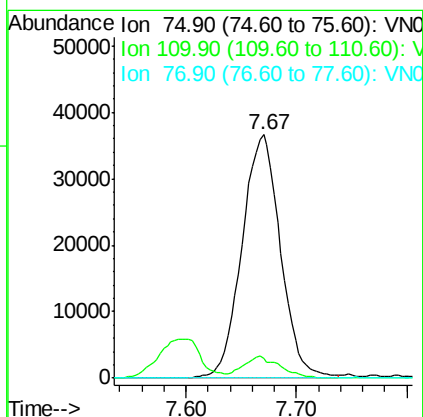
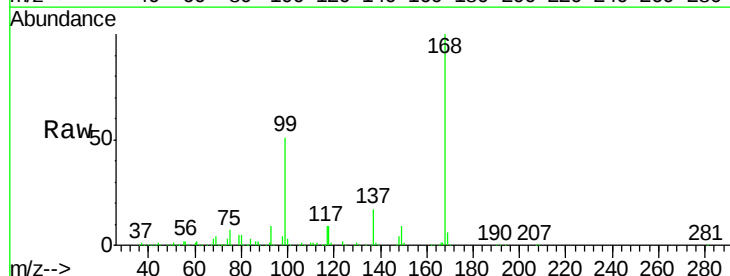
Instrument :
 MSVOA_N
 ClientSampleId :

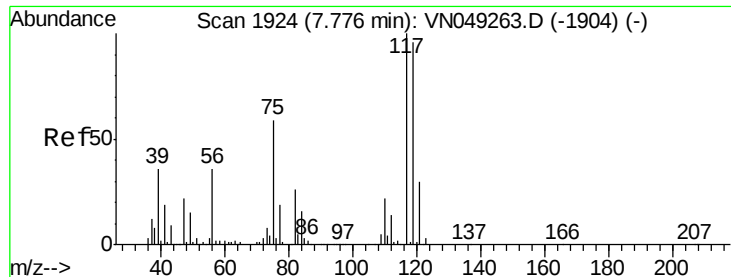
Tot Ion	Ratio	Lower	Upper
113	100		
111	104.2	82.4	123.6
192	21.8	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.75 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.6	17.0	50.9#
77	0.0	24.4	36.6#

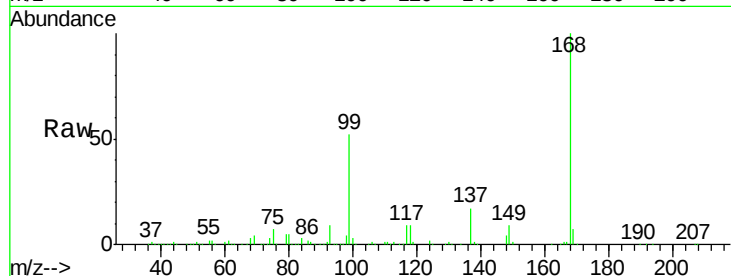




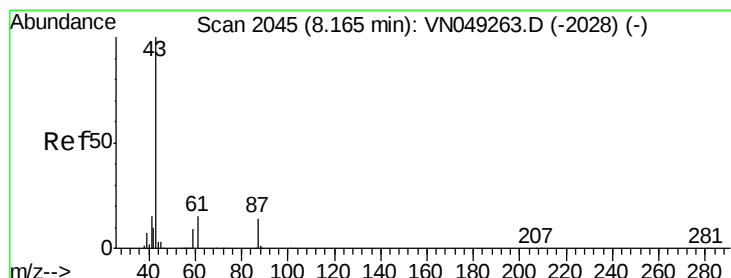
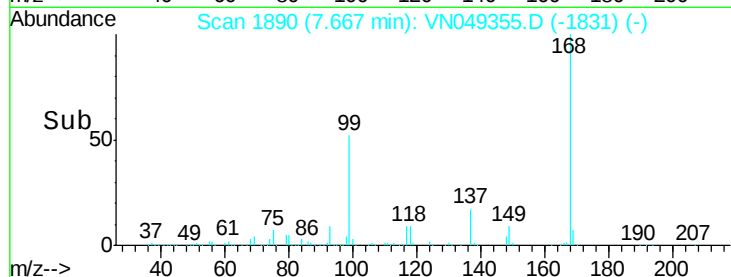
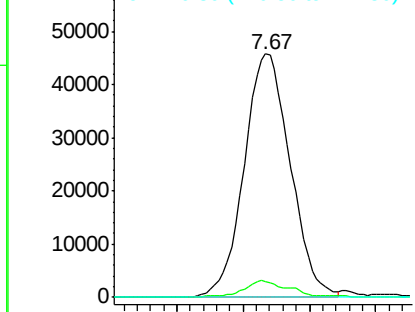
#38
Carbon Tetrachloride
Concen: 4.50 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 110544
Ion Ratio Lower Upper
117 100
119 6.7 75.6 113.4#
121 0.0 24.7 37.1#

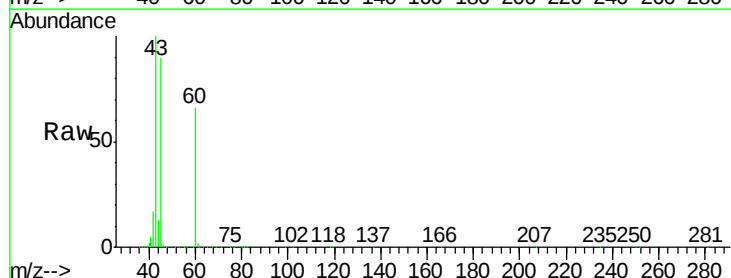


Abundance Ion 116.80 (116.50 to 117.50): V
Ion 118.80 (118.50 to 119.50): V
Ion 120.80 (120.50 to 121.50): V

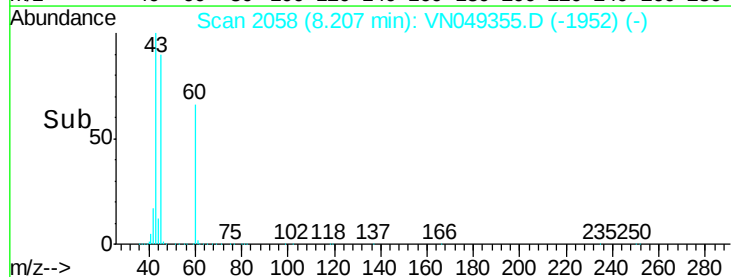
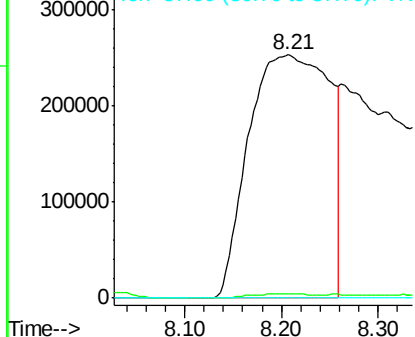


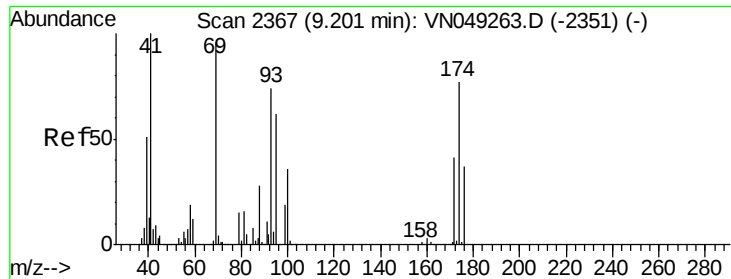
#43
Isopropyl Acetate
Concen: 59.42 ug/l
RT: 8.21 min Scan# 2058
Delta R.T. 0.04 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Tgt Ion: 43 Resp: 1463038
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): V
Ion 61.00 (60.70 to 61.70): V
Ion 87.00 (86.70 to 87.70): V

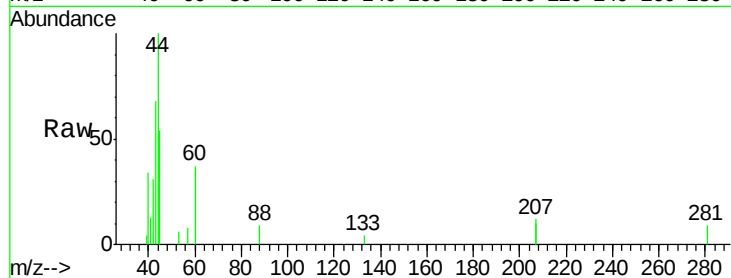




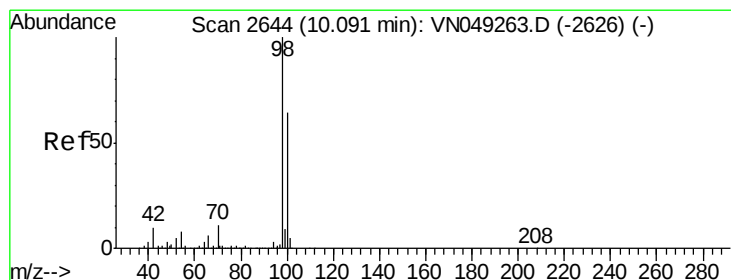
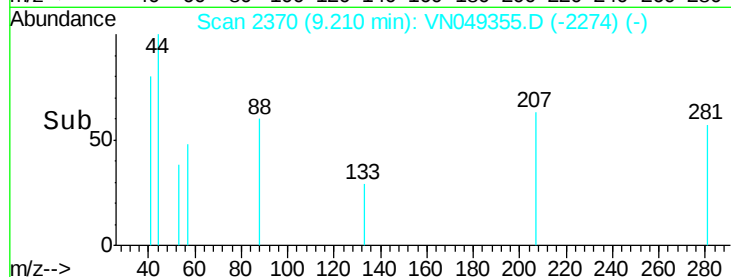
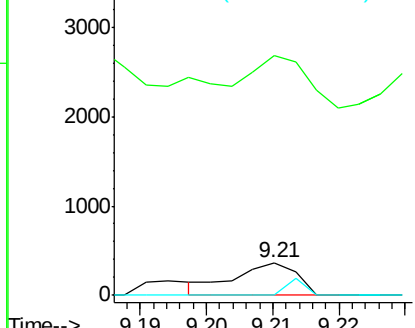
#49
1,4-Dioxane
Concen: 1.51 ug/l
RT: 9.21 min Scan# 2370
Delta R.T. 0.01 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 88 Resp: 241
Ion Ratio Lower Upper
88 100
43 136.9 30.9 46.3#
58 14.9 58.9 88.3#

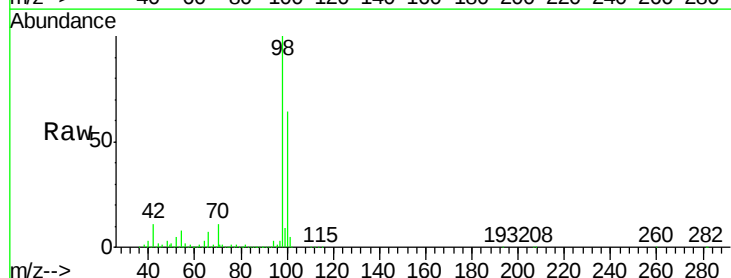


Abundance Ion 88.00 (87.70 to 88.70): VN0
Ion 43.00 (42.70 to 43.70): VN0
Ion 58.00 (57.70 to 58.70): VN0

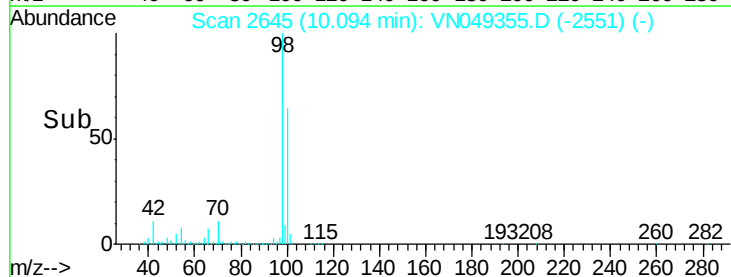
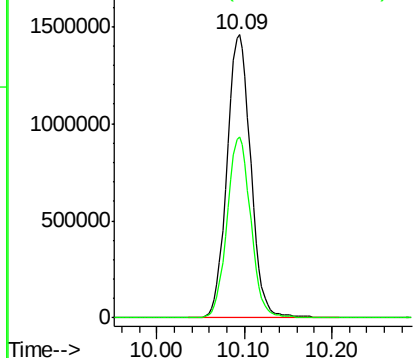


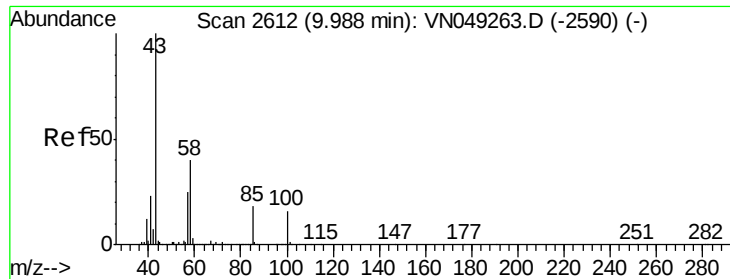
#50
Toluene-d8
Concen: 43.23 ug/l
RT: 10.09 min Scan# 2645
Delta R.T. 0.00 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Tgt Ion: 98 Resp: 2754321
Ion Ratio Lower Upper
98 100
100 63.3 49.8 74.8



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

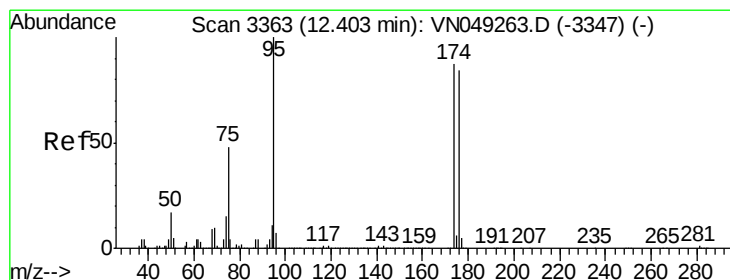
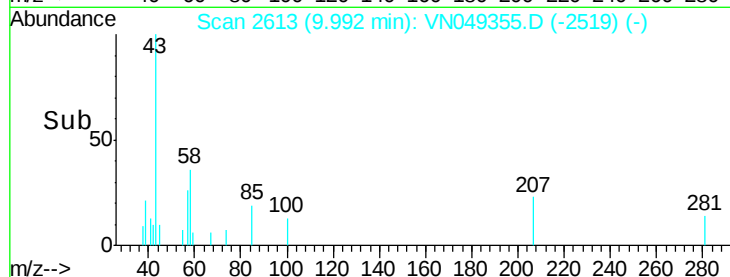
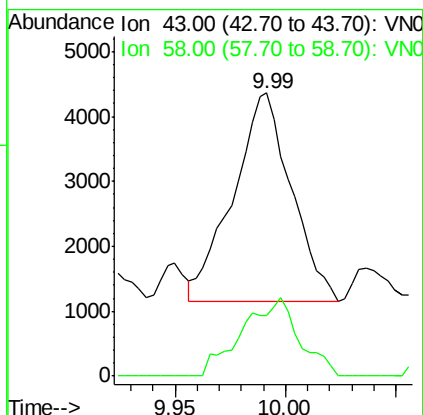
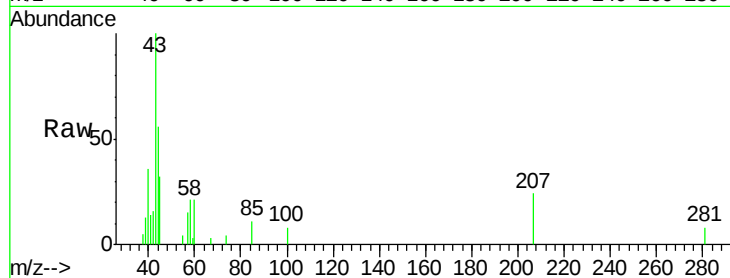




#51
 4-Methyl-2-Pentanone
 Concen: 0.45 ug/l
 RT: 9.99 min Scan# 2613
 Delta R.T. 0.00 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

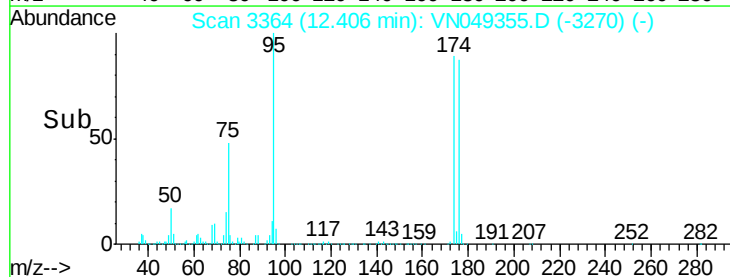
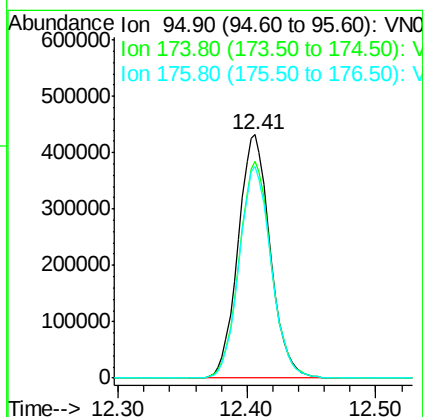
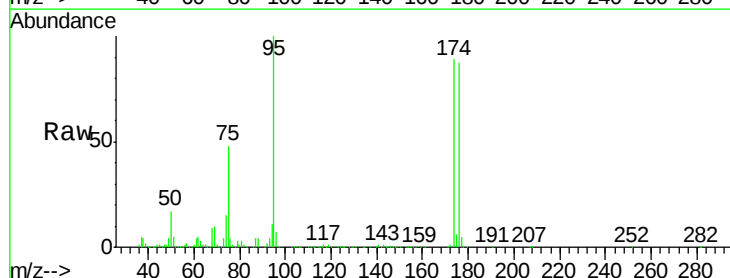
Instrument :
 MSVOA_N
 ClientSampleId :

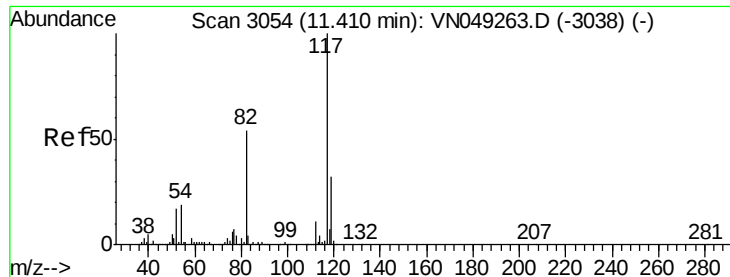
Tot Ion: 43 Resp: 5854
 Ion Ratio Lower Upper
 43 100
 58 37.3 29.0 43.6



#62
 4-Bromofluorobenzene
 Concen: 35.48 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.00 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

Tgt Ion: 95 Resp: 747522
 Ion Ratio Lower Upper
 95 100
 174 89.2 0.0 165.6
 176 86.9 0.0 157.4

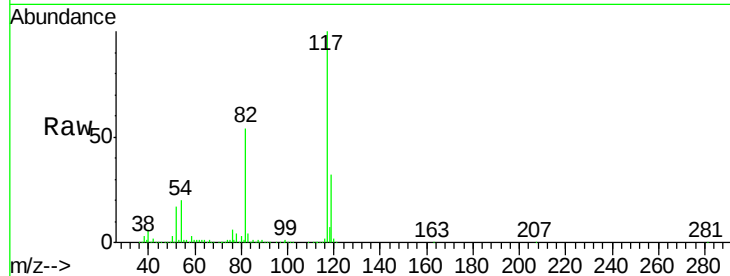




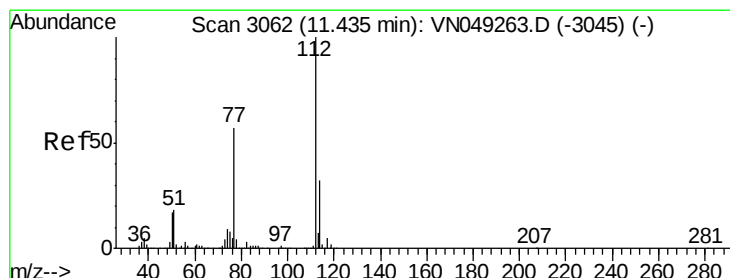
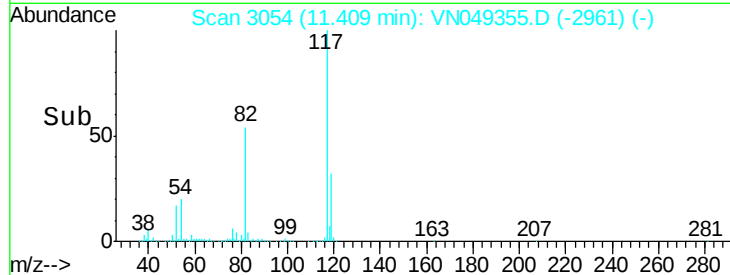
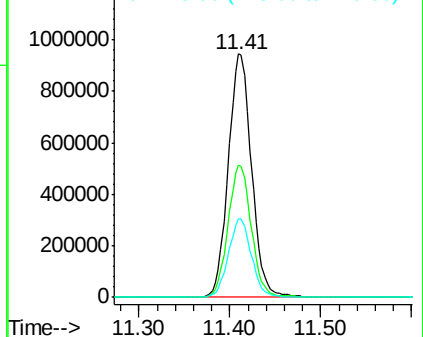
#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. -0.00 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:117 Resp: 1680155
Ion Ratio Lower Upper
117 100
82 54.4 45.9 68.9
119 32.2 25.5 38.3

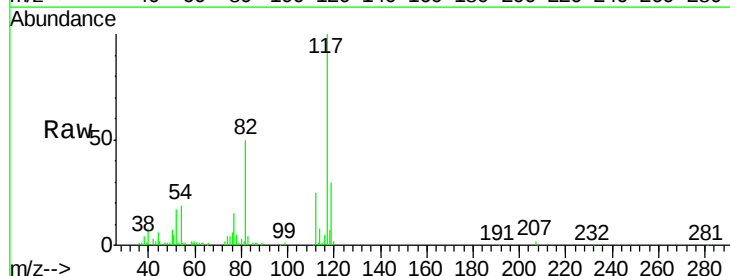


Abundance Ion 116.90 (116.60 to 117.60): V
Ion 82.00 (81.70 to 82.70): V
Ion 118.90 (118.60 to 119.60): V

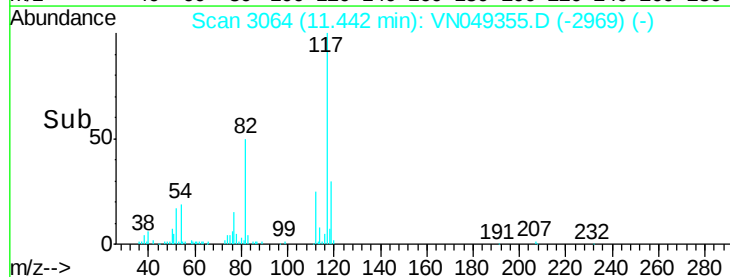
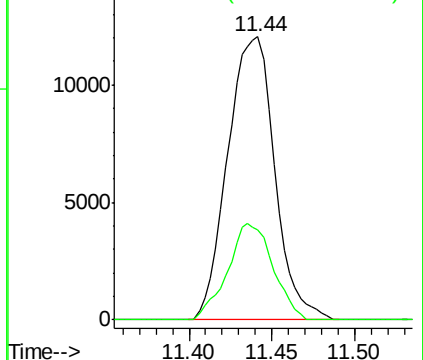


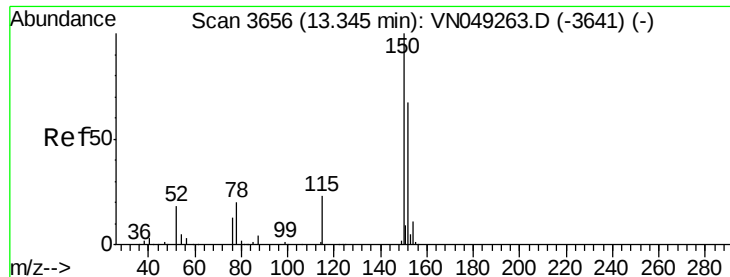
#65
Chlorobenzene
Concen: 0.55 ug/l
RT: 11.44 min Scan# 3064
Delta R.T. 0.01 min
Lab File: VN049355.D
Acq: 18 Jun 2018 20:22

Tgt Ion:112 Resp: 23777
Ion Ratio Lower Upper
112 100
114 31.9 26.2 39.4



Abundance Ion 111.90 (111.60 to 112.60): V
Ion 113.90 (113.60 to 114.60): 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: VN049355.D

Acq: 18 Jun 2018 20:22

Instrument :

MSVOA_N

ClientSampleId :

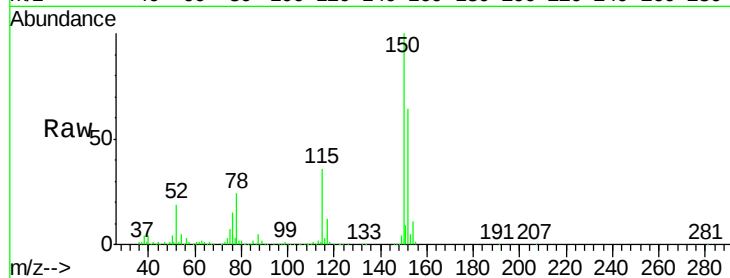
Tot Ion:152 Resp: 552952

Ion Ratio Lower Upper

152 100

115 56.3 28.7 86.1

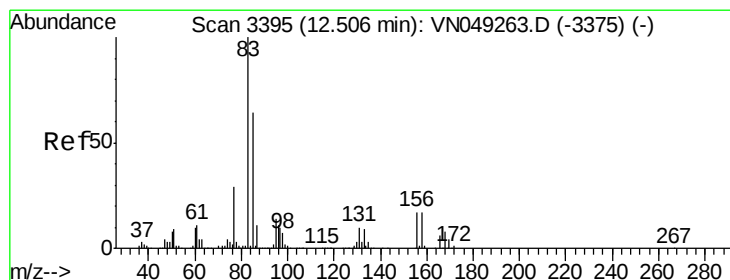
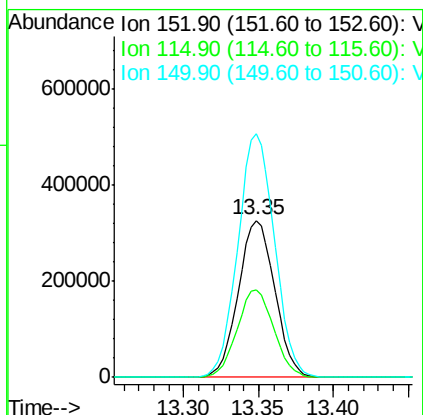
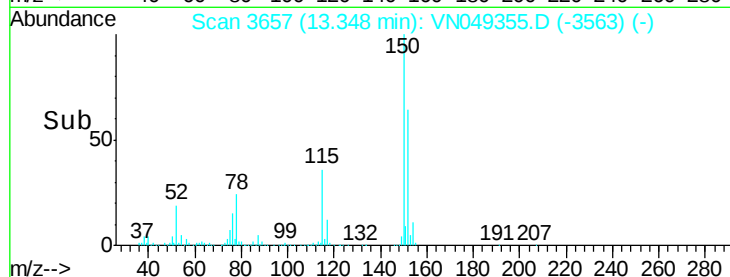
150 156.3 0.0 351.0



Abundance Ion 151.90 (151.60 to 152.60): V

Ion 114.90 (114.60 to 115.60): V

Ion 149.90 (149.60 to 150.60): V



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.55 min Scan# 3410

Delta R.T. 0.05 min

Lab File: VN049355.D

Acq: 18 Jun 2018 20:22

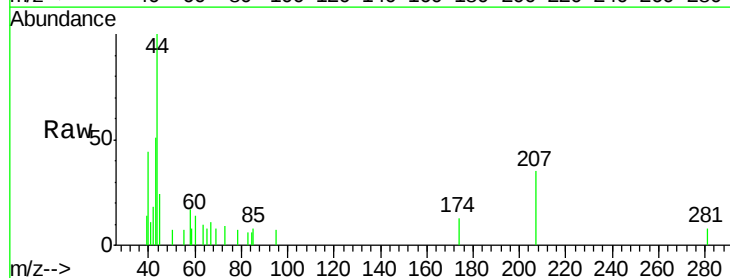
Tgt Ion: 83 Resp: 29

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

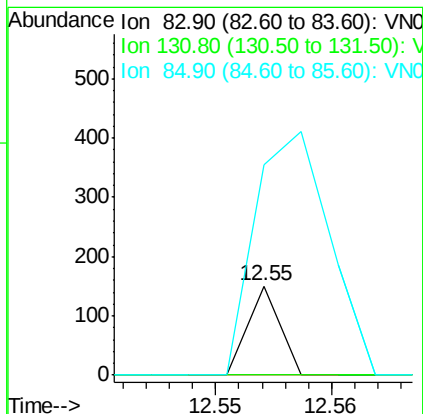
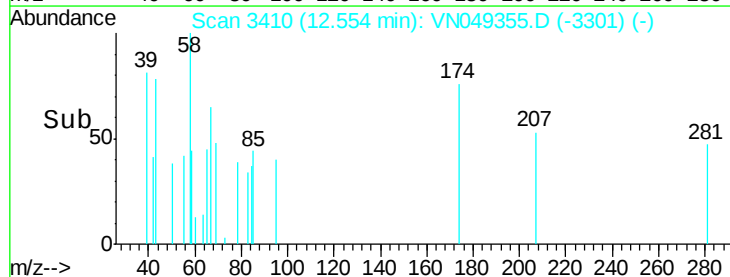
85 634.5 32.0 96.0#

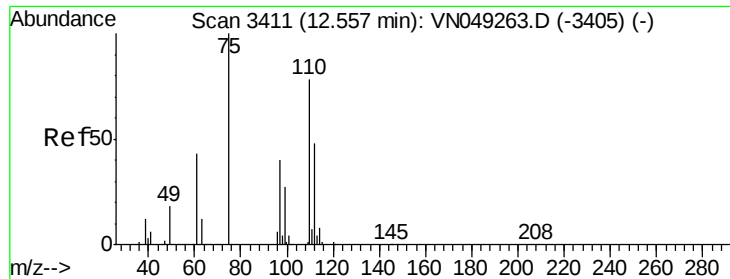


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V

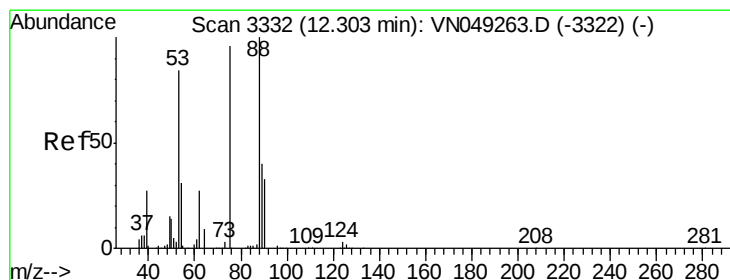
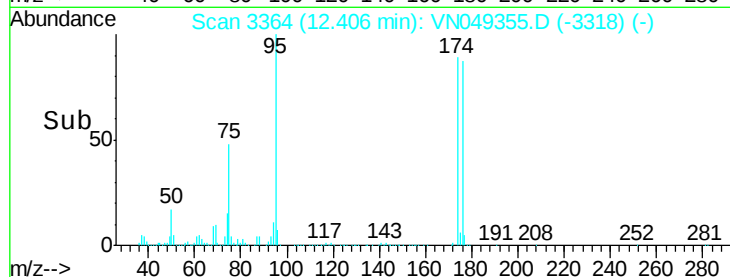
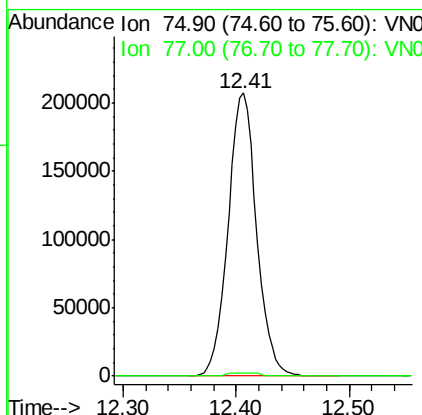
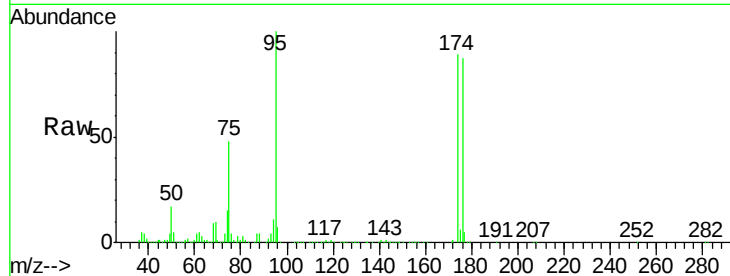




#76
 1,2,3-Trichloropropane
 Concen: 38.50 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. -0.15 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

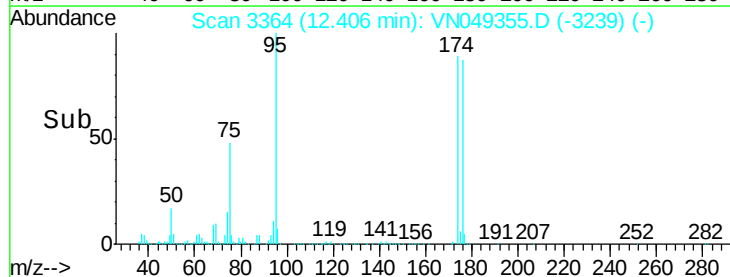
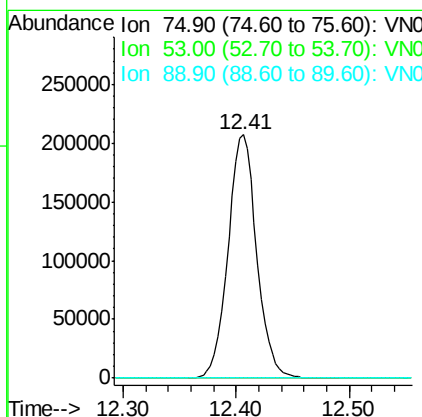
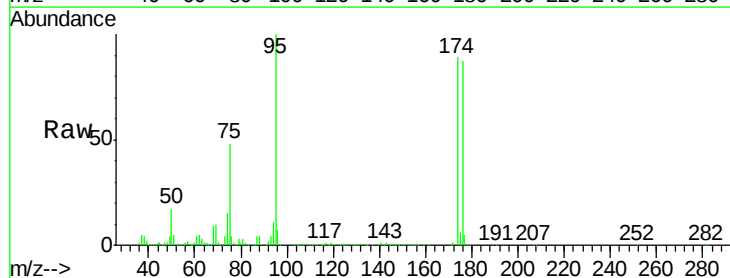
Instrument :
 MSVOA_N
 ClientSampled :

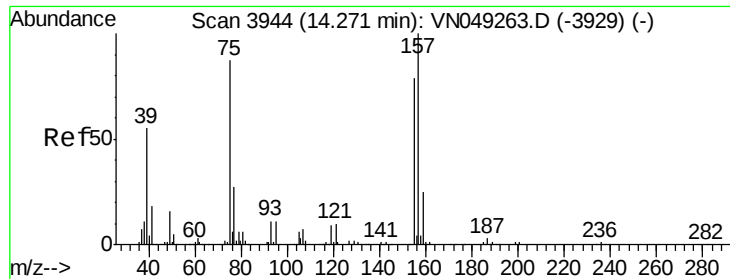
Tot Ion: 75 Resp: 363199
 Ion Ratio Lower Upper
 75 100
 77 1.4 0.0 0.0#



#81
 trans-1,4-Dichloro-2-butene
 Concen: 121.67 ug/l
 RT: 12.41 min Scan# 3364
 Delta R.T. 0.10 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

Tgt Ion: 75 Resp: 363199
 Ion Ratio Lower Upper
 75 100
 53 0.2 82.7 124.1#
 89 0.0 36.5 54.7#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.40 ug/l

RT: 14.26 min Scan# 3941

Delta R.T. -0.01 min

Lab File: VN049355.D

Acq: 18 Jun 2018 20:22

Instrument :

MSVOA_N

ClientSampled :

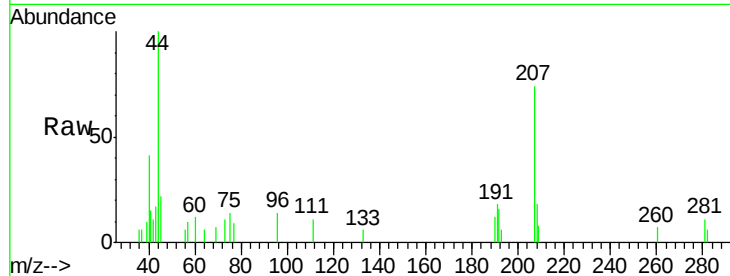
Tot Ion: 75 Resp: 680

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

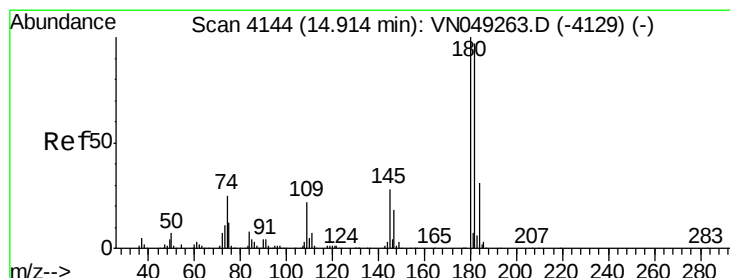
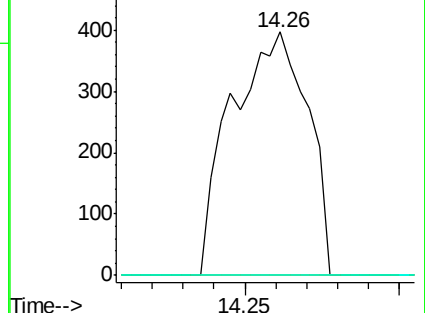
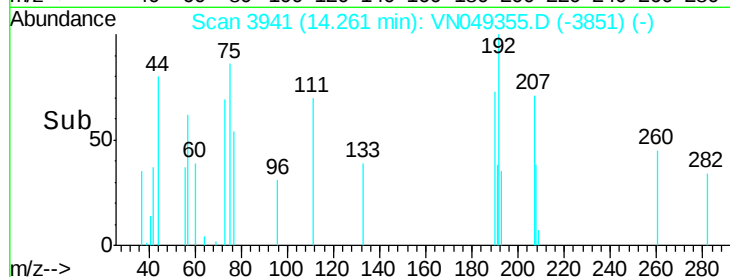
157 0.0 51.0 153.1#



Abundance Ion 74.90 (74.60 to 75.60): VN049355.D (-3851) (-)

Ion 154.80 (154.50 to 155.50): VN049355.D (-3851) (-)

Ion 156.80 (156.50 to 157.50): VN049355.D (-3851) (-)



#93

1,2,4-Trichlorobenzene

Concen: 4.77 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.01 min

Lab File: VN049355.D

Acq: 18 Jun 2018 20:22

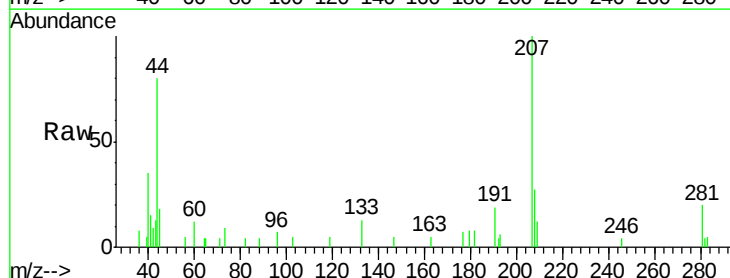
Tgt Ion: 180 Resp: 304

Ion Ratio Lower Upper

180 100

182 62.8 46.9 140.8

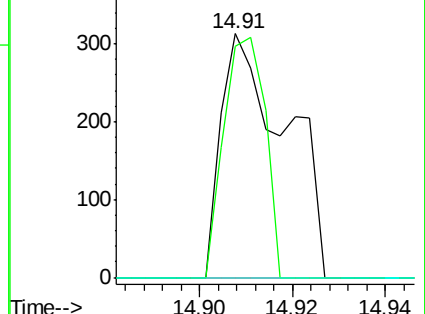
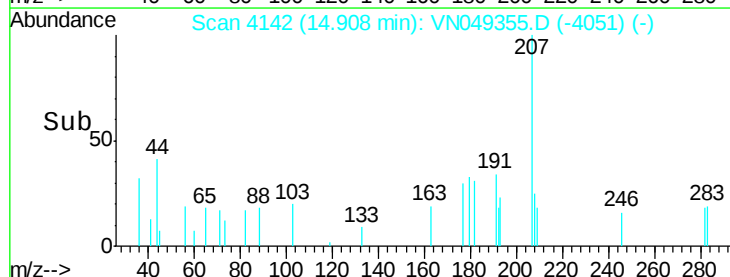
145 0.0 14.7 44.1#

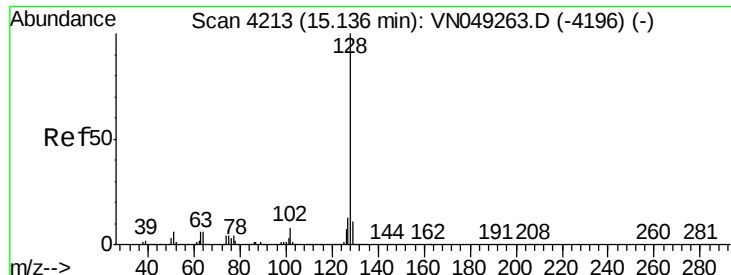


Abundance Ion 179.80 (179.50 to 180.50): VN049355.D (-4051) (-)

Ion 181.80 (181.50 to 182.50): VN049355.D (-4051) (-)

Ion 144.80 (144.50 to 145.50): VN049355.D (-4051) (-)

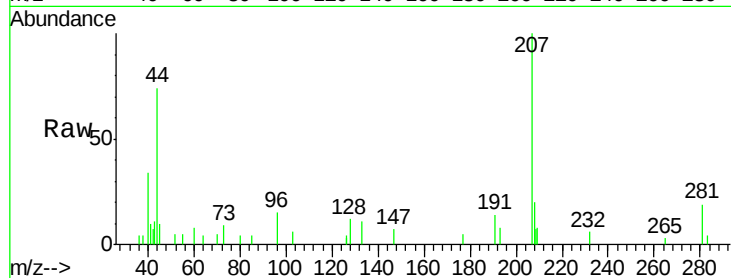




#95
 Naphthalene
 Concen: 2.14 ug/l
 RT: 15.13 min Scan# 4212
 Delta R.T. -0.00 min
 Lab File: VN049355.D
 Acq: 18 Jun 2018 20:22

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
128	100		
127	0.0	10.6	16.0#
129	0.0	8.5	12.7#



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

