

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
 Data File : VN049335.D
 Acq On : 18 Jun 2018 11:46
 Operator : MD\SY
 Sample : VN0618MBL01
 Misc : 5.00uL/100uL/5.00mL/MSVOA_N/MEOH
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 19 01:28:14 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	1746367	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	2673172	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	2241060	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	667194	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	1092175	47.15	ug/l	0.00
Spiked Amount			Recovery	=	94.30%	
35) Dibromofluoromethane	7.59	113	1004387	46.44	ug/l	0.00
Spiked Amount			Recovery	=	92.88%	
50) Toluene-d8	10.09	98	3734166	45.35	ug/l	0.00
Spiked Amount			Recovery	=	90.70%	
62) 4-Bromofluorobenzene	12.40	95	989658	36.35	ug/l	0.00
Spiked Amount			Recovery	=	72.70%	

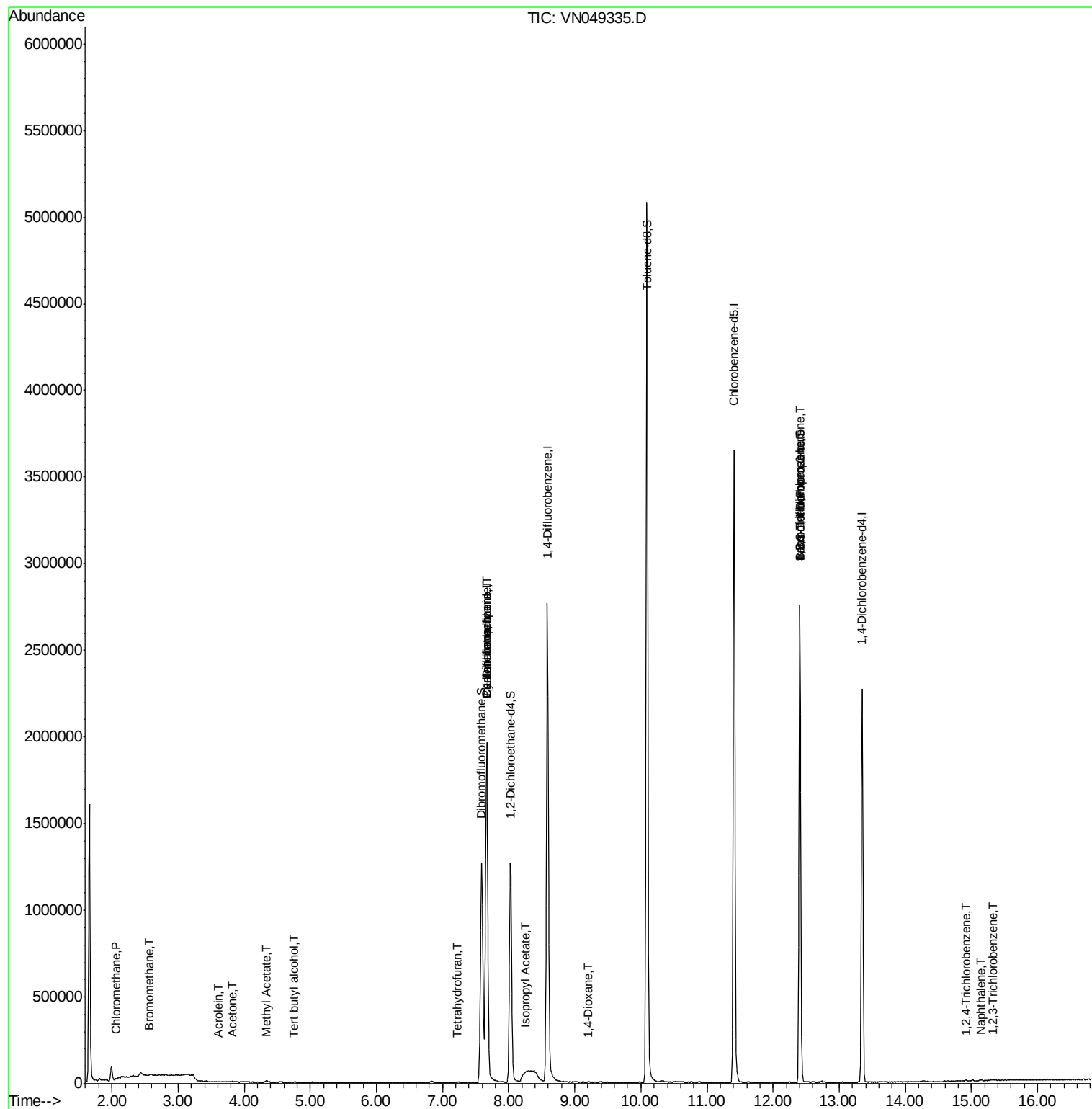
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	5272	0.20	ug/l #	87
5) Bromomethane	2.57	94	3713	0.26	ug/l	96
11) Tert butyl alcohol	4.75	59	1327	0.98	ug/l #	76
13) Acrolein	3.62	56	756	0.53	ug/l #	80
16) Acetone	3.82	43	3576	0.64	ug/l	94
18) Methyl Acetate	4.33	43	18572	1.08	ug/l #	87
29) Tetrahydrofuran	7.22	42	2475	0.51	ug/l #	44
31) Cyclohexane	7.67	56	29337	0.68	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	118639	3.87	ug/l #	51
38) Carbon Tetrachloride	7.66	117	156105	4.92	ug/l #	17
43) Isopropyl Acetate	8.24	43	55422	1.74	ug/l #	64
49) 1,4-Dioxane	9.21	88	552	2.67	ug/l #	50
71) Bromoform	12.41	173	5718	0.41	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.41	83	451	Below	Cal #	26
76) 1,2,3-Trichloropropane	12.40	75	474197	41.65	ug/l #	100
81) trans-1,4-Dichloro-2-buten	12.40	75	474197	131.65	ug/l #	9
90) Hexachloroethane	13.83	117	31	Below	Cal #	9
93) 1,2,4-Trichlorobenzene	14.91	180	1392	4.85	ug/l	89
94) Hexachlorobutadiene	15.02	225	1121	Below	Cal	77
95) Naphthalene	15.14	128	3455	2.27	ug/l #	91
96) 1,2,3-Trichlorobenzene	15.32	180	1503	3.58	ug/l #	73

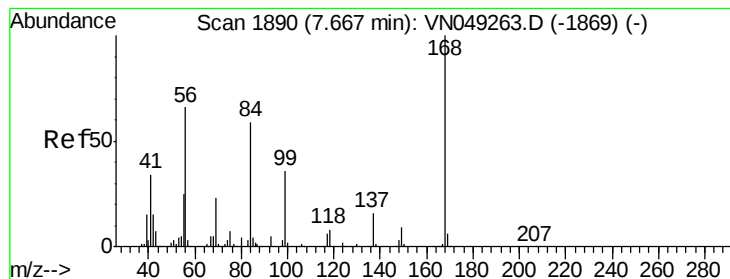
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061818\
Data File : VN049335.D
Acq On : 18 Jun 2018 11:46
Operator : MD\SY
Sample : VN0618MBL01
Misc : 5.00g/10mL/100uL/5.00mL/MSVOA_N/MEOH
ALS Vial : 4 Sample Multiplier: 1

Instrument :
MSVOA_N
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Quant Time: Jun 19 01:28:14 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





#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

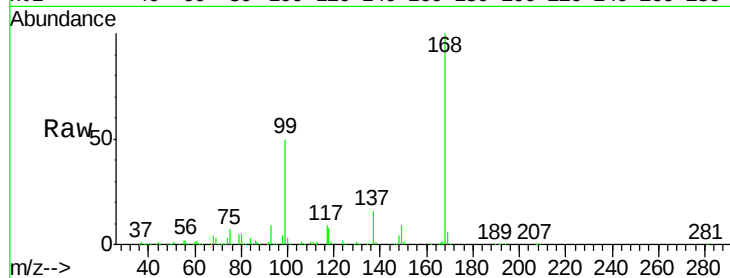
ClientSampled :

Tot Ion:168 Resp: 1746367

Ion Ratio Lower Upper

168 100

99 50.4 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN0

Ion 98.90 (98.60 to 99.60): VN0

7.67

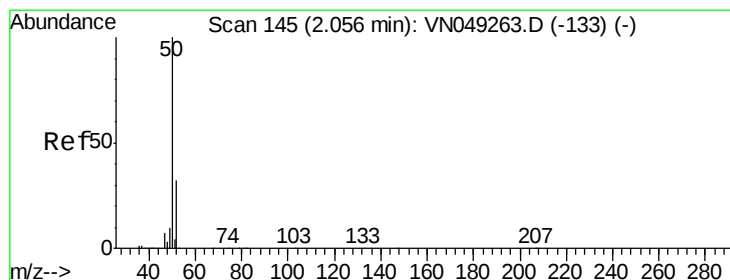
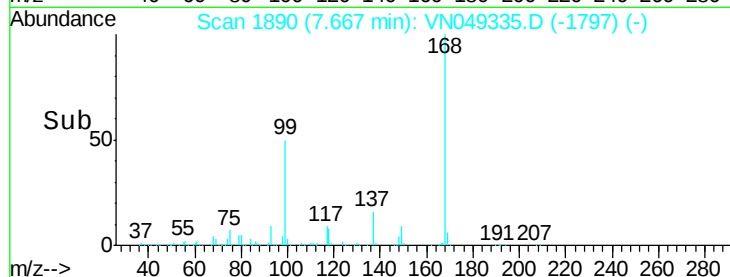
600000

400000

200000

0

Time-->



#3

Chloromethane

Concen: 0.20 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049335.D

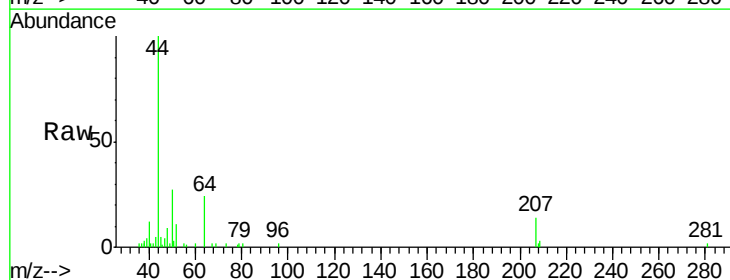
Acq: 18 Jun 2018 11:46

Tgt Ion: 50 Resp: 5272

Ion Ratio Lower Upper

50 100

52 38.9 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0

2.06

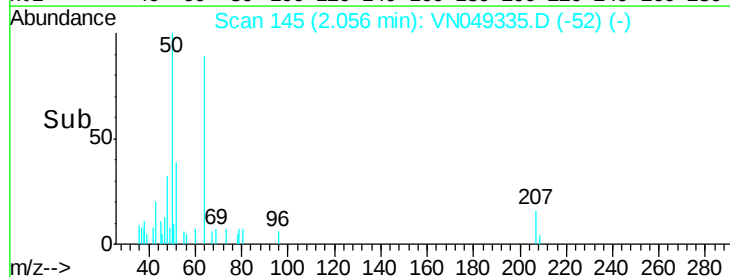
3000

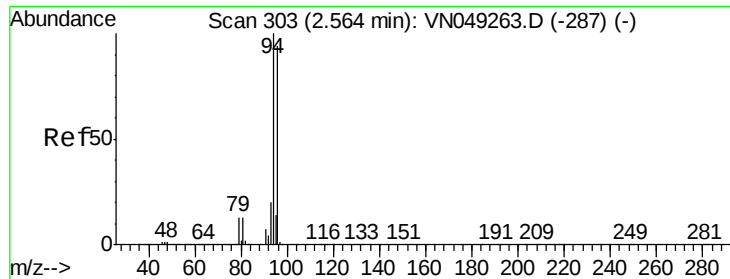
2000

1000

0

Time-->





#5

Bromomethane

Concen: 0.26 ug/l

RT: 2.57 min Scan# 305

Delta R.T. 0.01 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

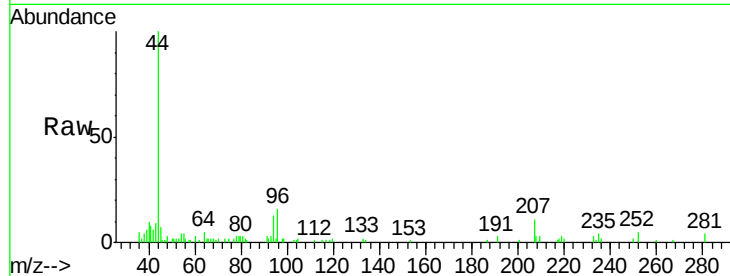
ClientSampled :

Tot Ion: 94 Resp: 3713

Ion Ratio Lower Upper

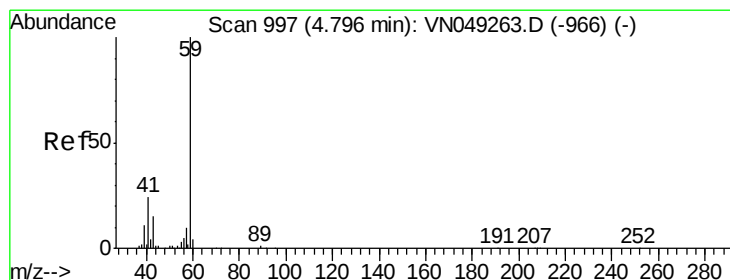
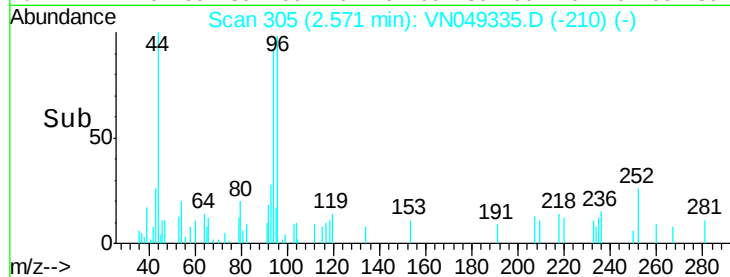
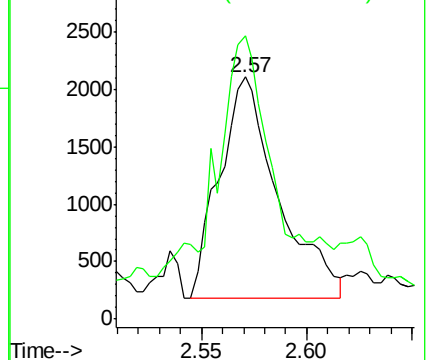
94 100

96 94.5 72.8 109.2



Abundance Ion 93.90 (93.60 to 94.60): VN0

Ion 95.90 (95.60 to 96.60): VN0



#11

Tert butyl alcohol

Concen: 0.98 ug/l

RT: 4.75 min Scan# 982

Delta R.T. -0.05 min

Lab File: VN049335.D

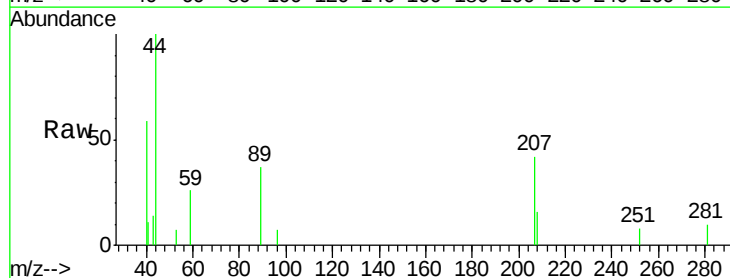
Acq: 18 Jun 2018 11:46

Tgt Ion: 59 Resp: 1327

Ion Ratio Lower Upper

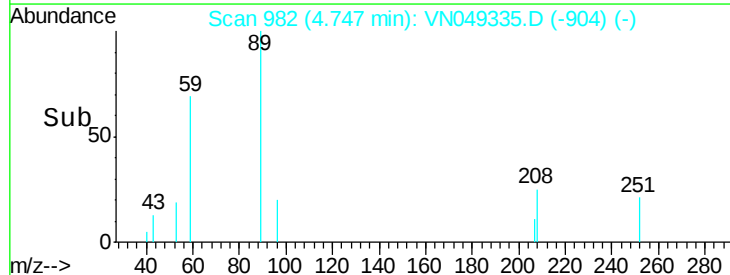
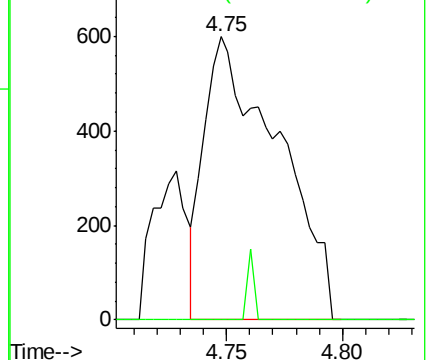
59 100

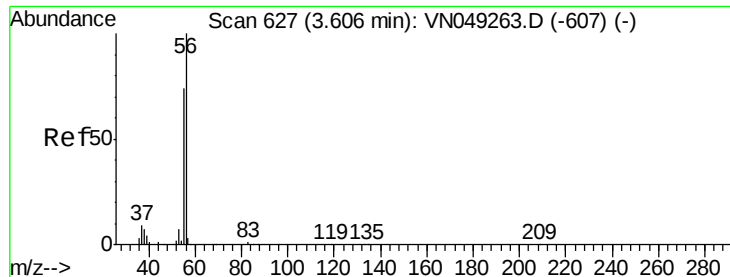
57 2.2 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 0.53 ug/l

RT: 3.62 min Scan# 630

Delta R.T. 0.01 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

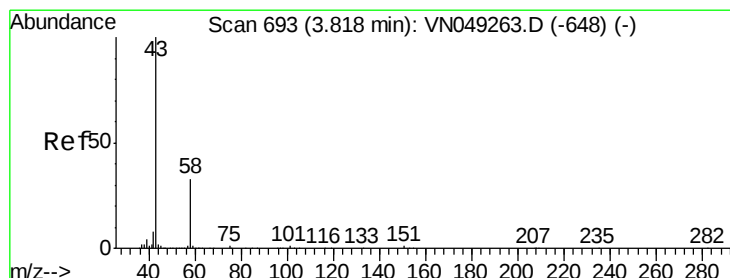
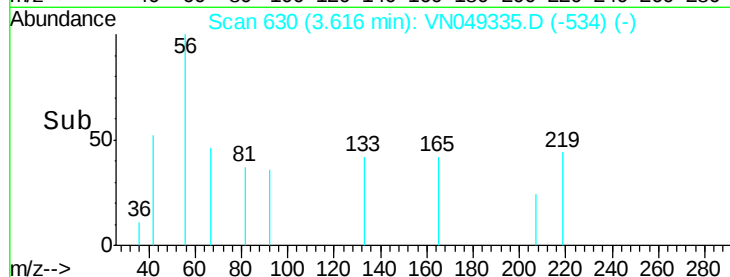
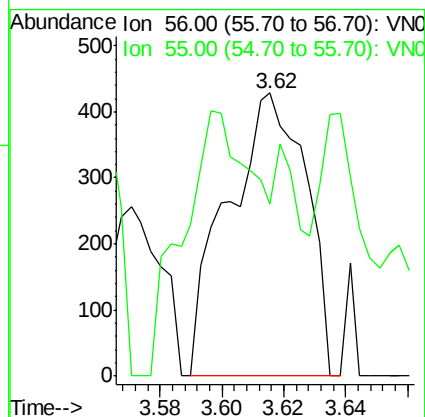
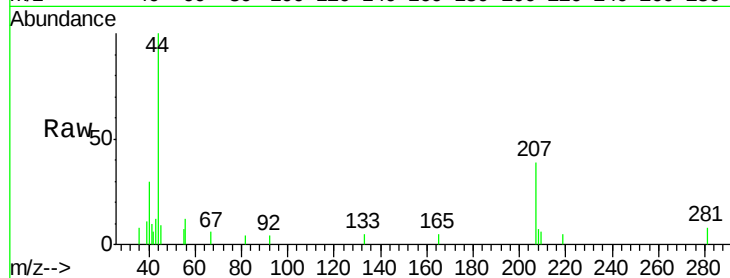
ClientSampled :

Tot Ion: 56 Resp: 756

Ion Ratio Lower Upper

56 100

55 88.0 57.1 85.7#



#16

Acetone

Concen: 0.64 ug/l

RT: 3.82 min Scan# 695

Delta R.T. 0.01 min

Lab File: VN049335.D

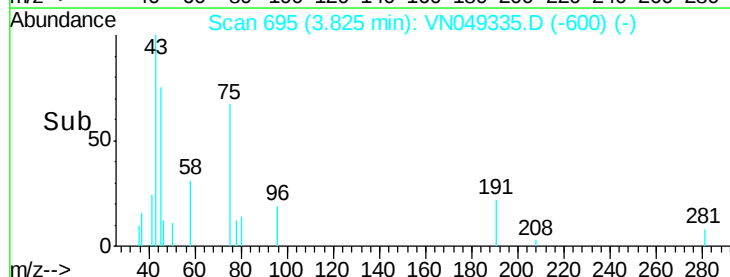
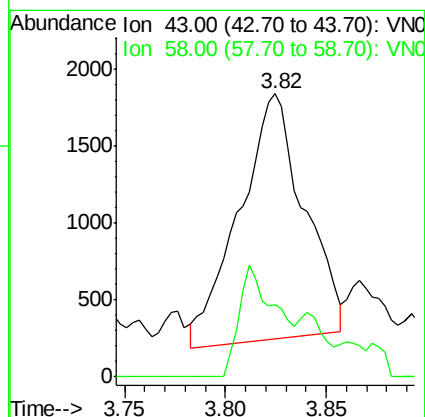
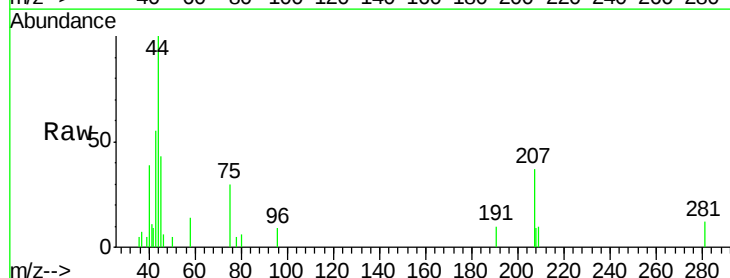
Acq: 18 Jun 2018 11:46

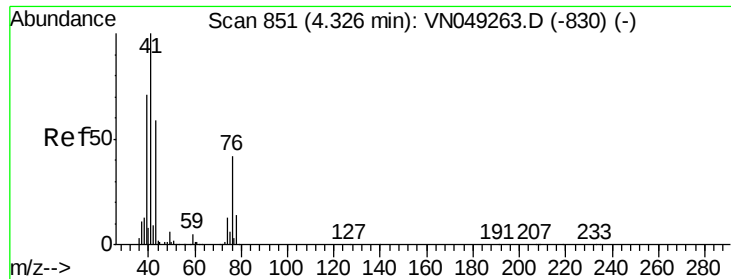
Tgt Ion: 43 Resp: 3576

Ion Ratio Lower Upper

43 100

58 31.3 22.4 33.6

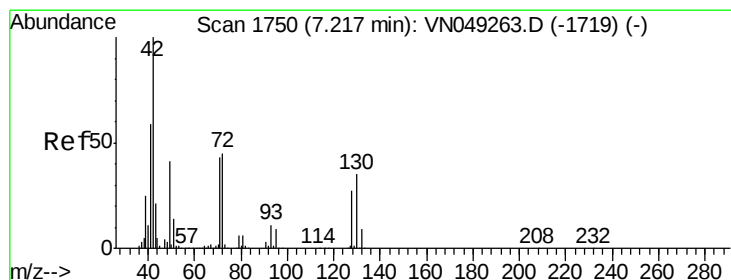
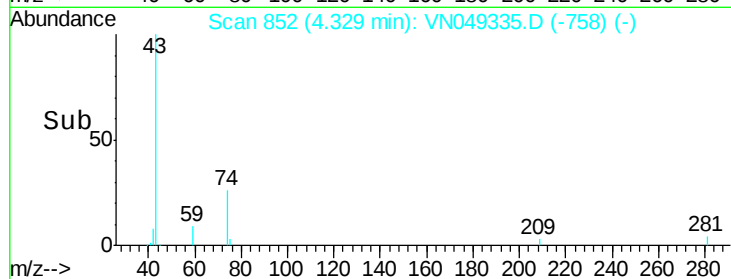
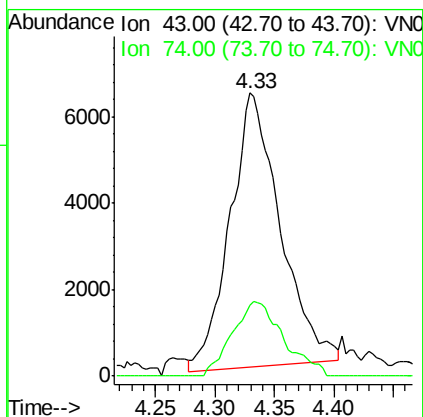
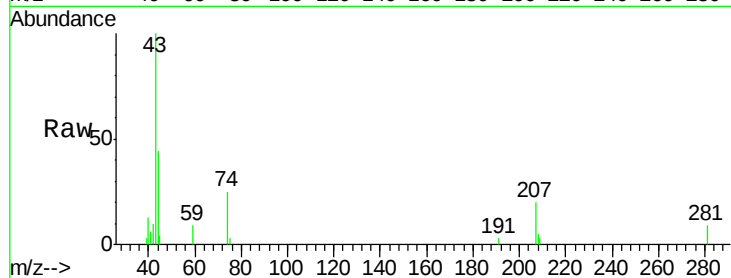




#18
Methvl Acetate
Concen: 1.08 ug/l
RT: 4.33 min Scan# 852
Delta R.T. 0.00 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

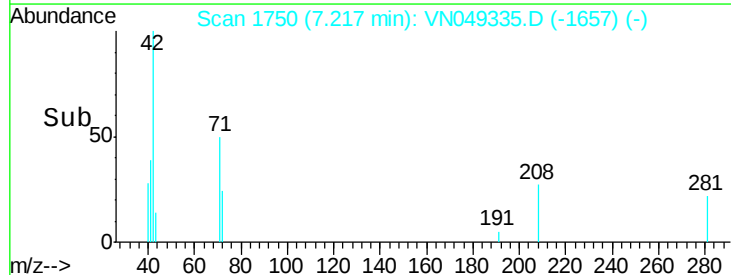
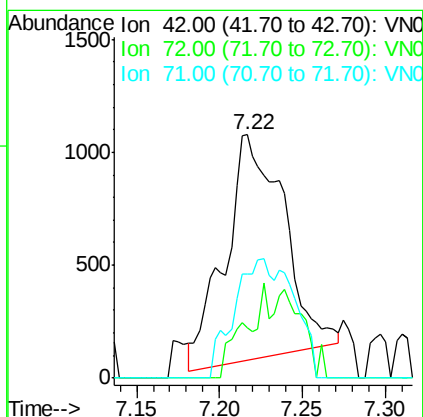
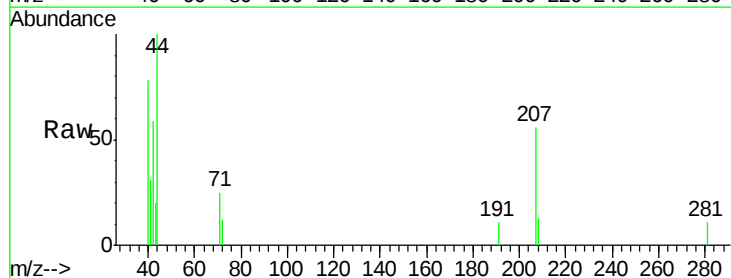
Instrument :
MSVOA_N
ClientSampled :

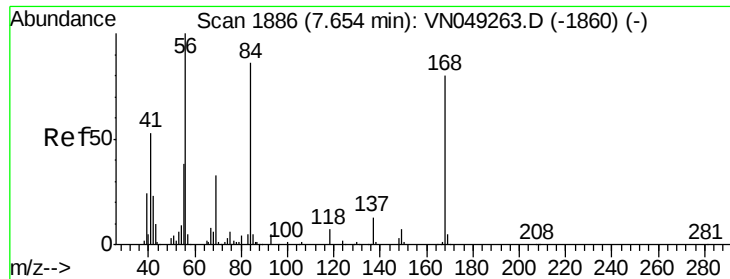
Tot Ion: 43 Resp: 18572
Ion Ratio Lower Upper
43 100
74 27.7 17.4 26.0#



#29
Tetrahydrofuran
Concen: 0.51 ug/l
RT: 7.22 min Scan# 1750
Delta R.T. 0.00 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

Tgt Ion: 42 Resp: 2475
Ion Ratio Lower Upper
42 100
72 9.5 32.2 48.4#
71 0.0 30.5 45.7#

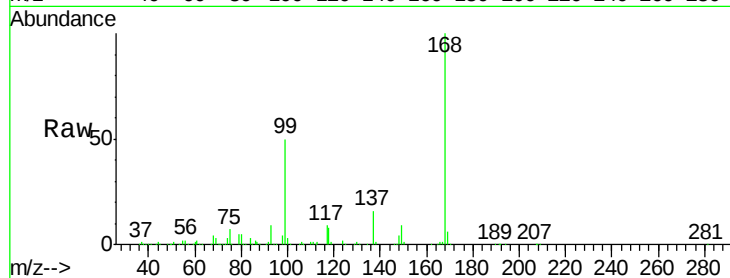




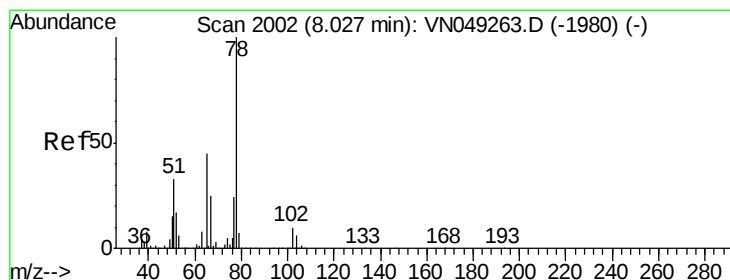
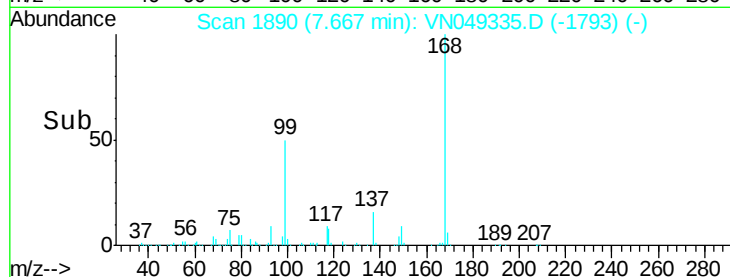
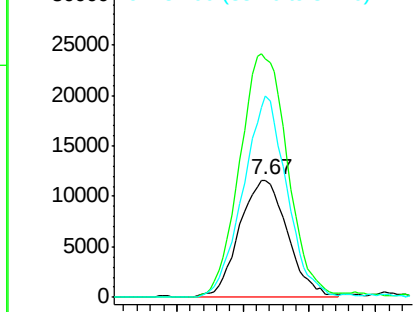
#31
Cvclohexane
Concen: 0.68 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. 0.01 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 56 Resp: 29337
Ion Ratio Lower Upper
56 100
69 204.3 25.0 37.4#
84 171.7 64.6 96.8#

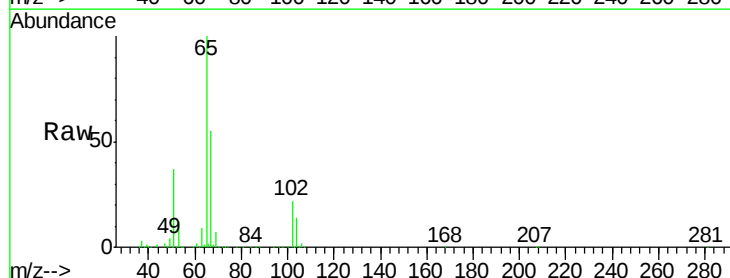


Abundance Ion 56.00 (55.70 to 56.70): VN0
Ion 69.00 (68.70 to 69.70): VN0
Ion 84.00 (83.70 to 84.70): VN0

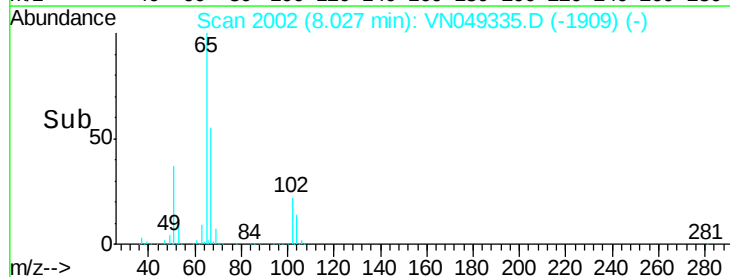
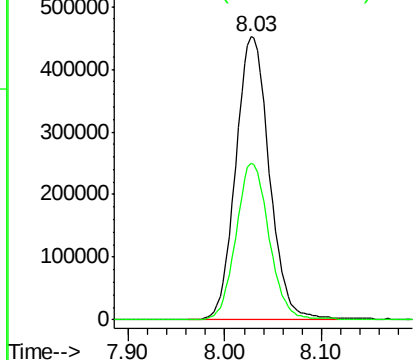


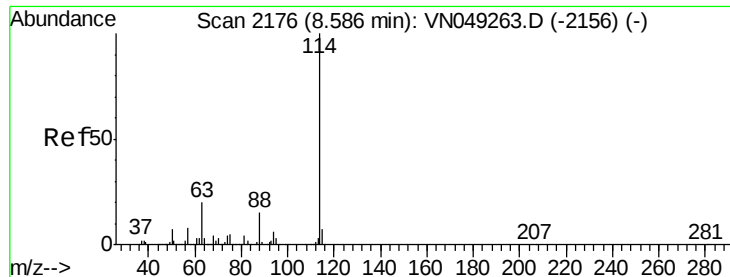
#33
1,2-Dichloroethane-d4
Concen: 47.15 ug/l
RT: 8.03 min Scan# 2002
Delta R.T. 0.00 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

Tgt Ion: 65 Resp: 1092175
Ion Ratio Lower Upper
65 100
67 54.7 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN0
Ion 66.90 (66.60 to 67.60): VN0

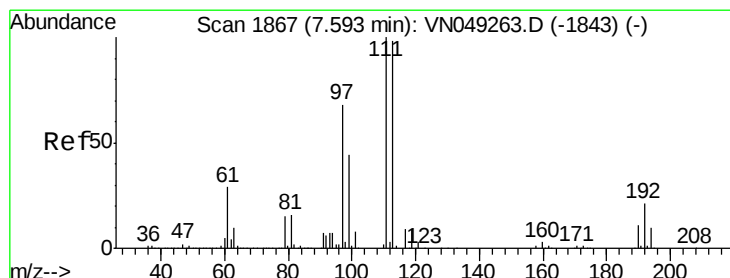
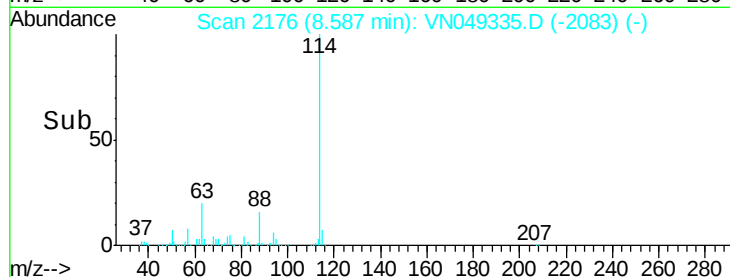
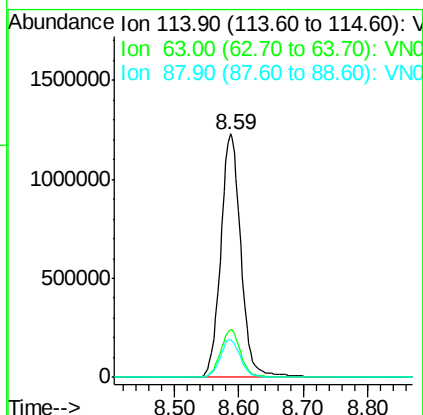
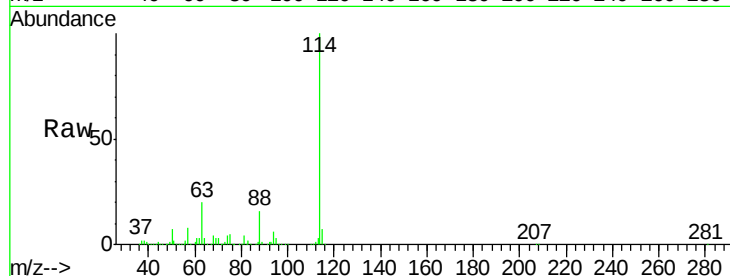




#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2176
 Delta R.T. 0.00 min
 Lab File: VN049335.D
 Acq: 18 Jun 2018 11:46

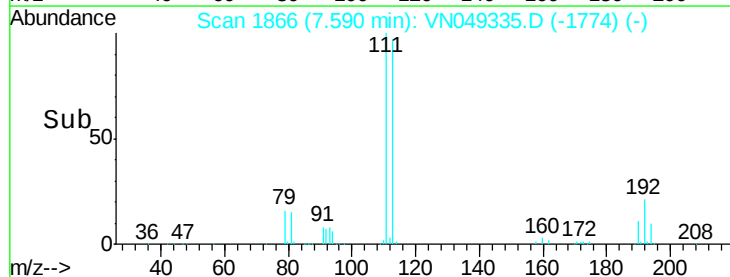
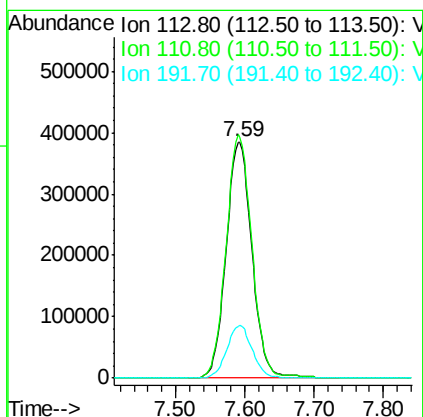
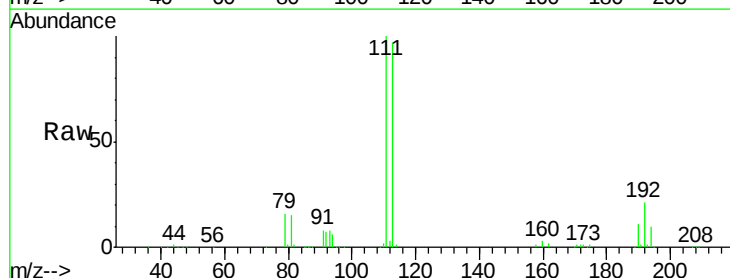
Instrument :
 MSVOA_N
 ClientSampleId :

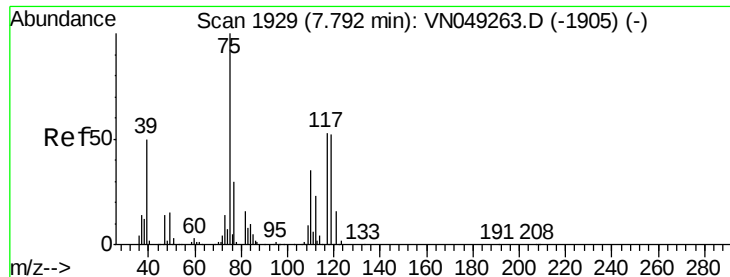
Tot Ion:114 Resp: 2673172
 Ion Ratio Lower Upper
 114 100
 63 19.7 0.0 44.4
 88 15.6 0.0 31.4



#35
 Dibromofluoromethane
 Concen: 46.44 ug/l
 RT: 7.59 min Scan# 1866
 Delta R.T. -0.00 min
 Lab File: VN049335.D
 Acq: 18 Jun 2018 11:46

Tgt Ion:113 Resp: 1004387
 Ion Ratio Lower Upper
 113 100
 111 103.0 82.4 123.6
 192 21.9 15.0 22.6

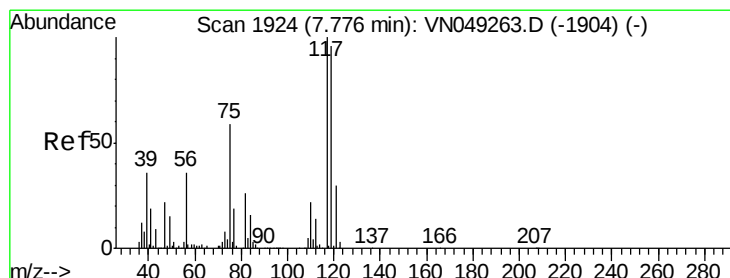
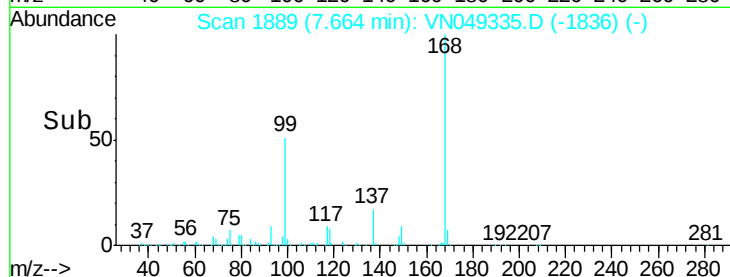
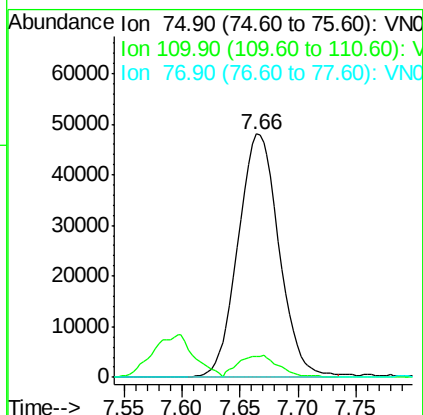
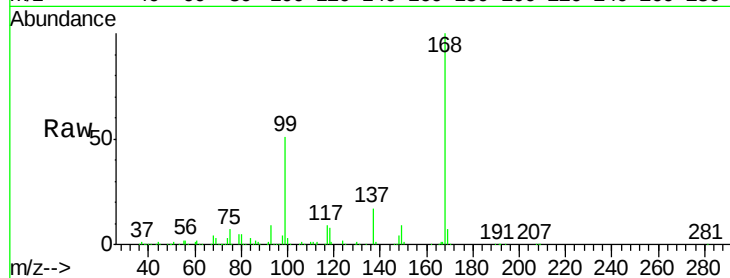




#36
 1,1-Dichloropropene
 Concen: 3.87 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049335.D
 Acq: 18 Jun 2018 11:46

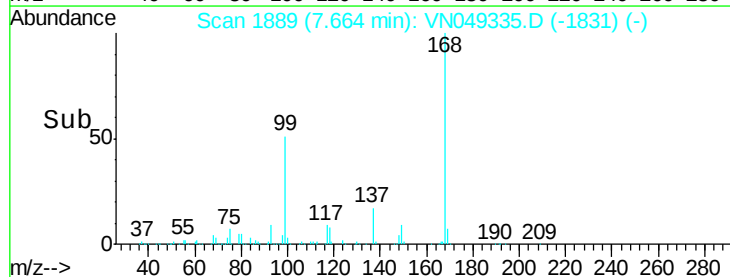
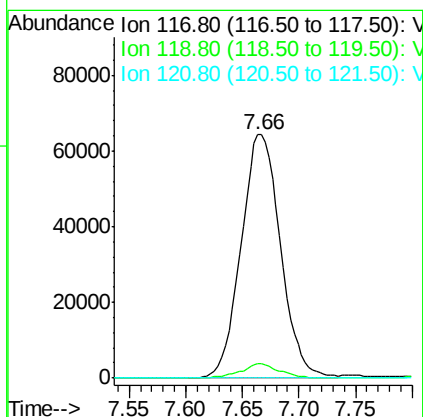
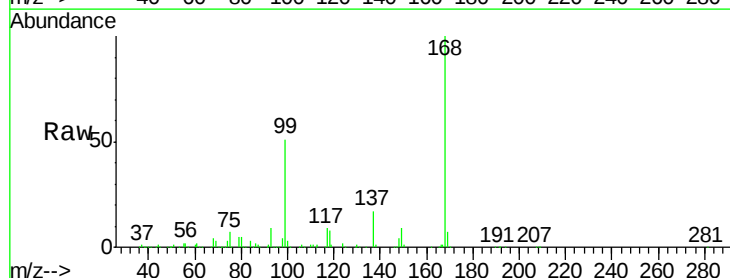
Instrument :
 MSVOA_N
 ClientSampleId :

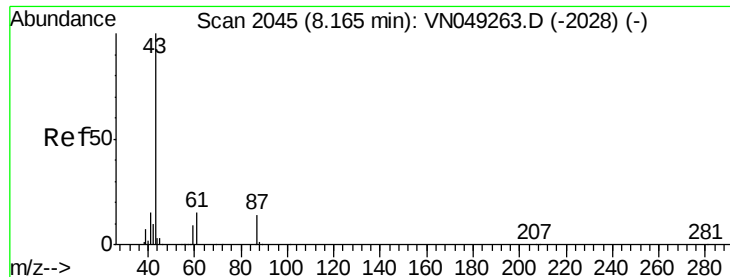
Tot Ion	75	110	77	Resp	Lower	Upper
118639	100	8.9	0.1		17.0	50.9#
					24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.92 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.11 min
 Lab File: VN049335.D
 Acq: 18 Jun 2018 11:46

Tgt Ion	117	119	121	Resp	Lower	Upper
156105	100	6.1	0.0		75.6	113.4#
					24.7	37.1#





#43

Isopropyl Acetate

Concen: 1.74 ug/l

RT: 8.24 min Scan# 2069

Delta R.T. 0.08 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

ClientSampled :

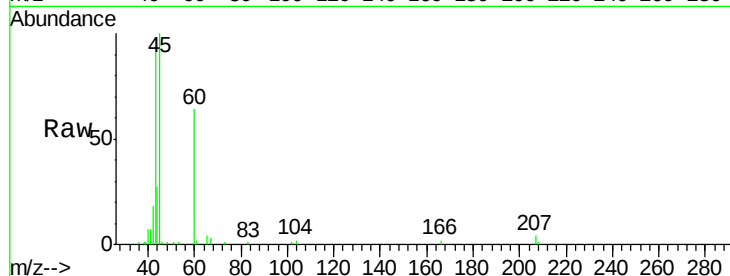
Tot Ion: 43 Resp: 55422

Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

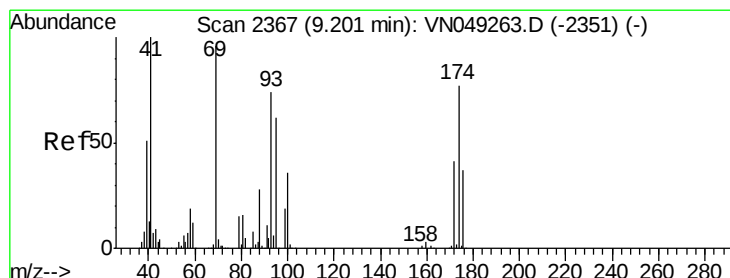
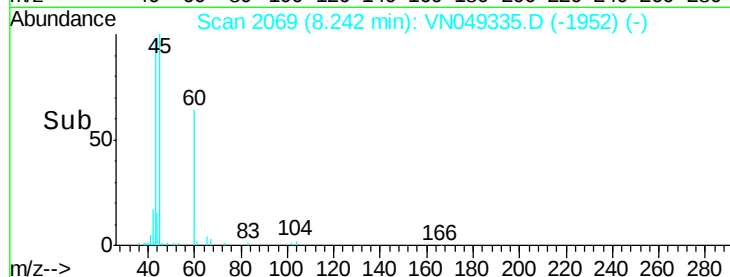
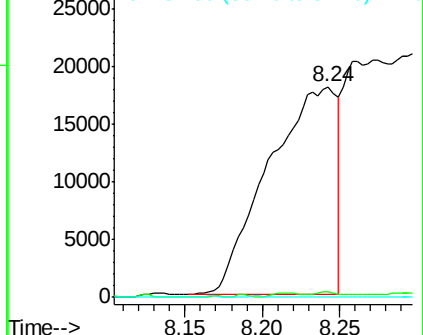
87 0.0 9.4 14.0#



Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 61.00 (60.70 to 61.70): VN0

Ion 87.00 (86.70 to 87.70): VN0



#49

1,4-Dioxane

Concen: 2.67 ug/l

RT: 9.21 min Scan# 2370

Delta R.T. 0.01 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

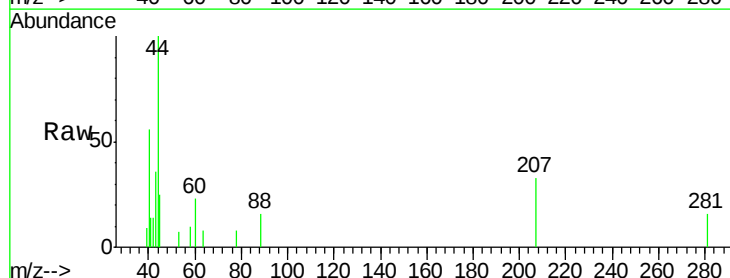
Tgt Ion: 88 Resp: 552

Ion Ratio Lower Upper

88 100

43 79.3 30.9 46.3#

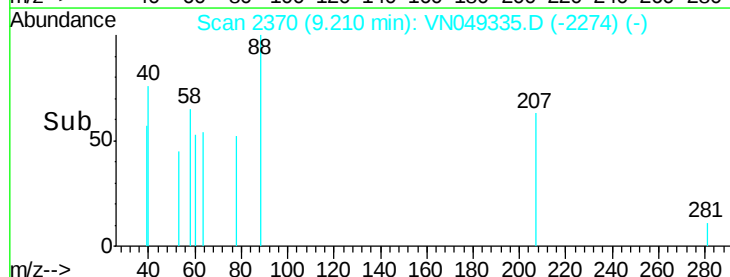
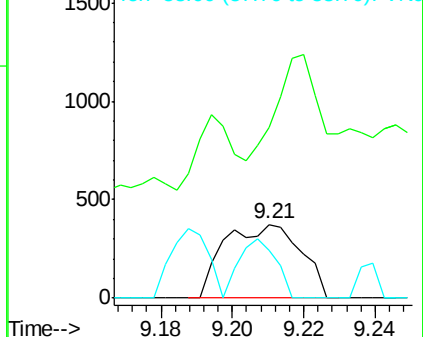
58 39.1 58.9 88.3#

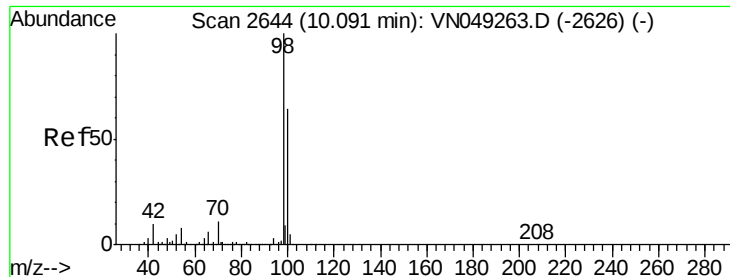


Abundance Ion 88.00 (87.70 to 88.70): VN0

Ion 43.00 (42.70 to 43.70): VN0

Ion 58.00 (57.70 to 58.70): VN0





#50

Toluene-d8

Concen: 45.35 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

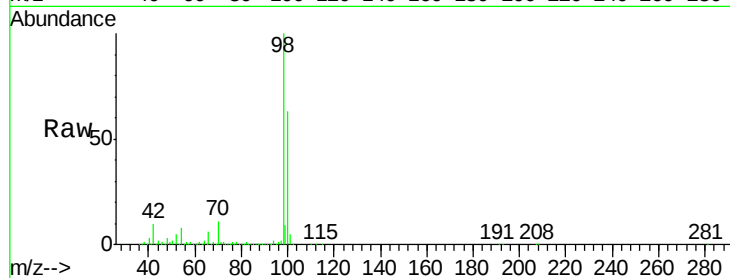
ClientSampleId :

Tot Ion: 98 Resp: 3734166

Ion Ratio Lower Upper

98 100

100 63.6 49.8 74.8



Abundance Ion 98.00 (97.70 to 98.70): VN049335.D (-2551) (-)

Ion 100.00 (99.70 to 100.70): VN049335.D (-2551) (-)

10.09

2000000

1500000

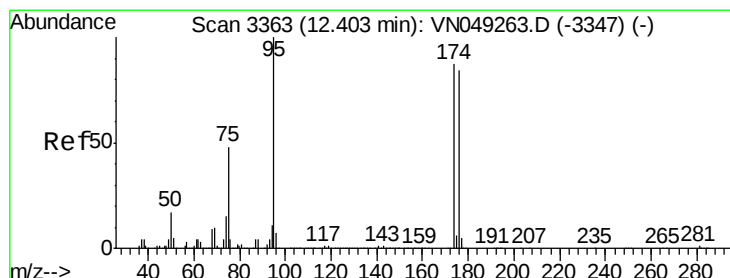
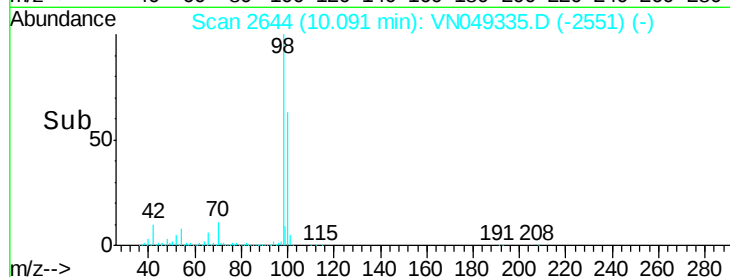
1000000

500000

0

Time-->

10.00 10.20



#62

4-Bromofluorobenzene

Concen: 36.35 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

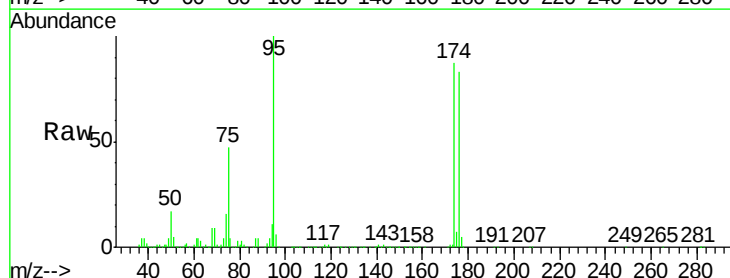
Tgt Ion: 95 Resp: 989658

Ion Ratio Lower Upper

95 100

174 88.6 0.0 165.6

176 84.8 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049335.D (-3270) (-)

Ion 173.80 (173.50 to 174.50): VN049335.D (-3270) (-)

Ion 175.80 (175.50 to 176.50): VN049335.D (-3270) (-)

12.40

800000

600000

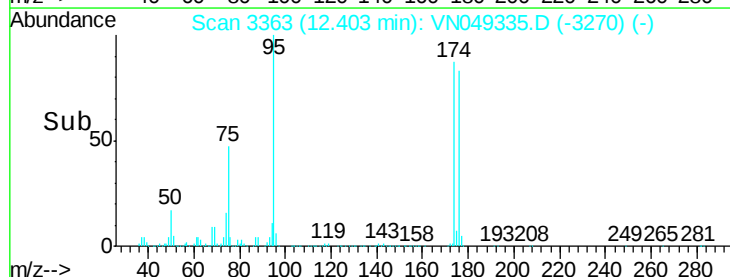
400000

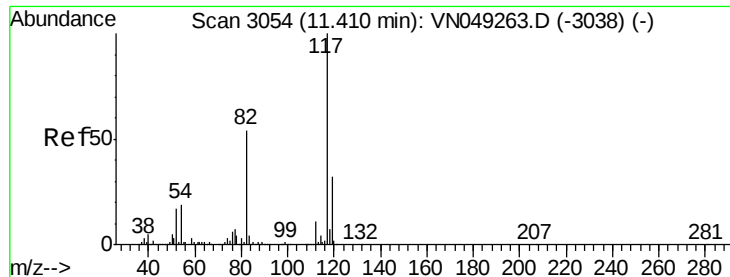
200000

0

Time-->

12.30 12.40 12.50

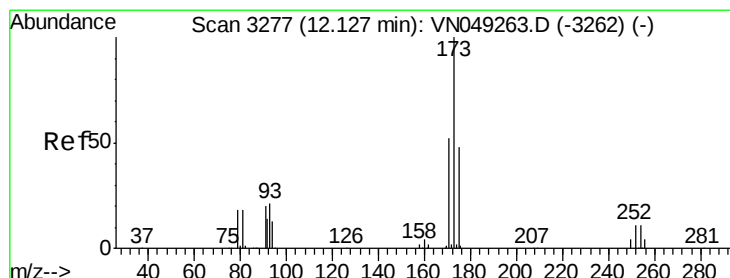
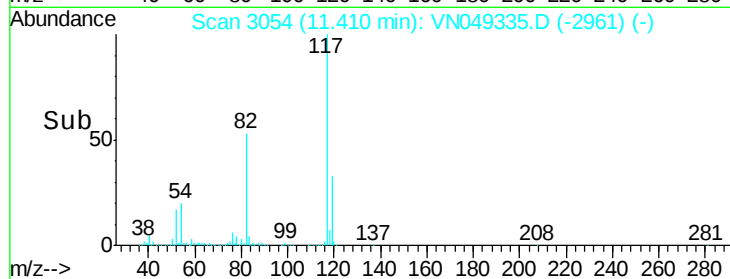
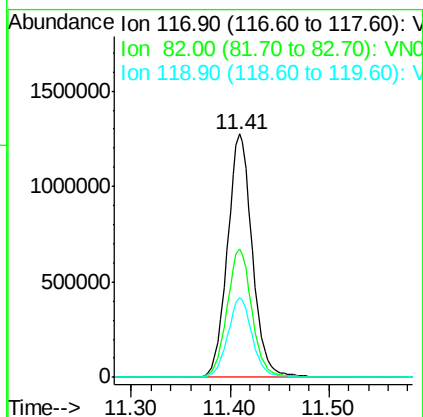
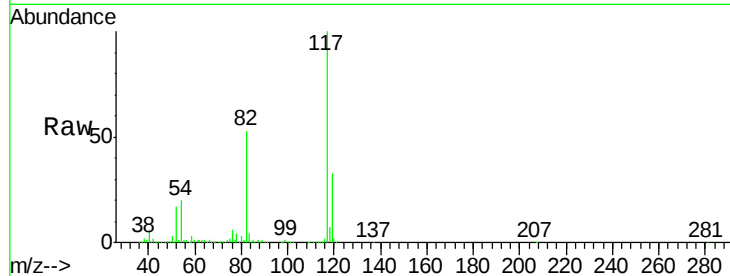




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

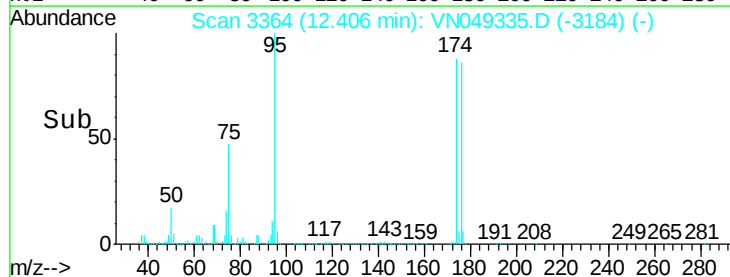
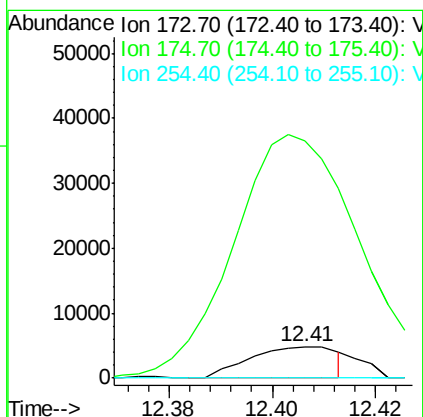
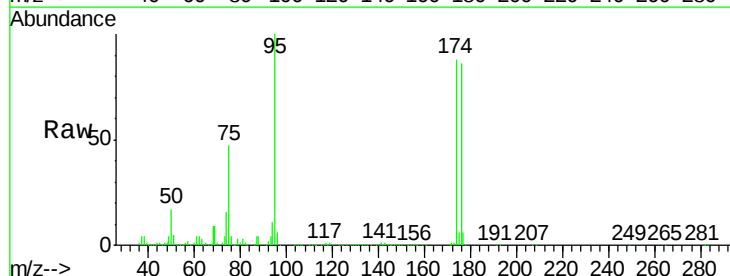
Instrument :
MSVOA_N
ClientSampleId :

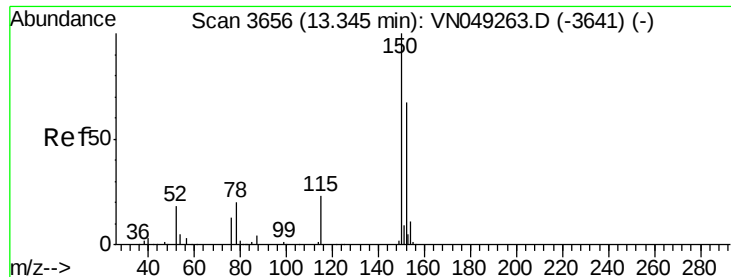
Tot Ion:117 Resp: 2241060
Ion Ratio Lower Upper
117 100
82 52.7 45.9 68.9
119 32.6 25.5 38.3



#71
Bromoform
Concen: 0.41 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

Tgt Ion:173 Resp: 5718
Ion Ratio Lower Upper
173 100
175 887.2 24.5 73.5#
254 0.0 0.1 0.1#





#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

RT: 13.35 min Scan# 3657

Delta R.T. 0.00 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

ClientSampleId :

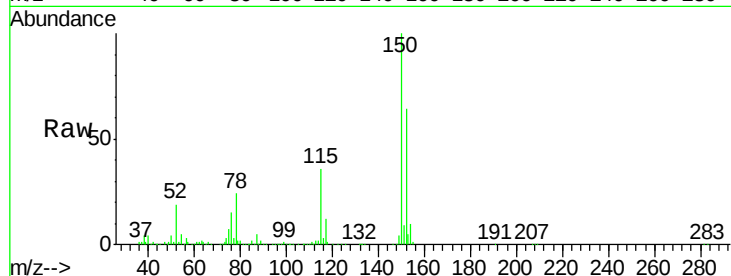
Tot Ion:152 Resp: 667194

Ion Ratio Lower Upper

152 100

115 56.5 28.7 86.1

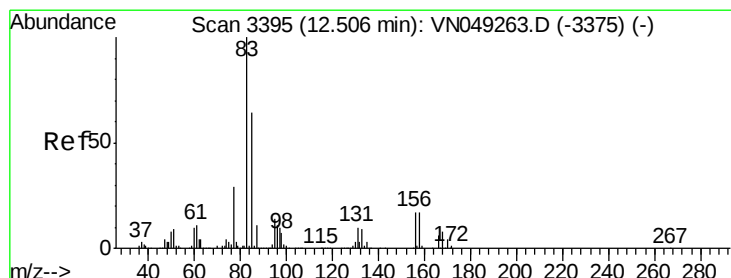
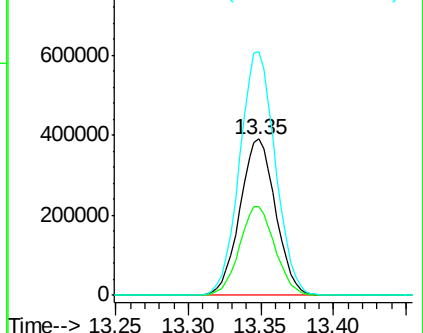
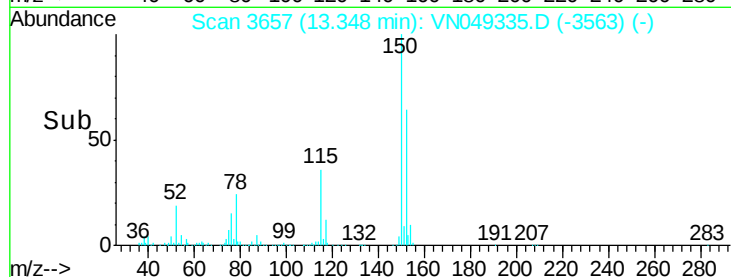
150 156.1 0.0 351.0



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: 12.41 min Scan# 3365

Delta R.T. -0.10 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

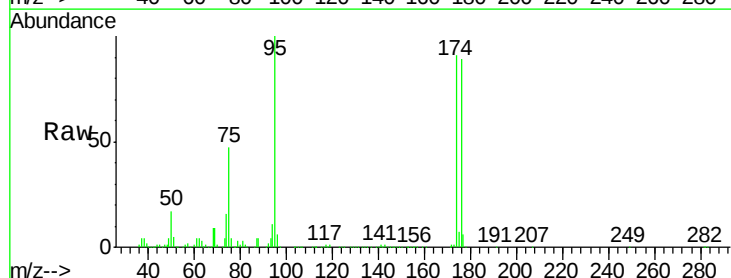
Tgt Ion: 83 Resp: 451

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

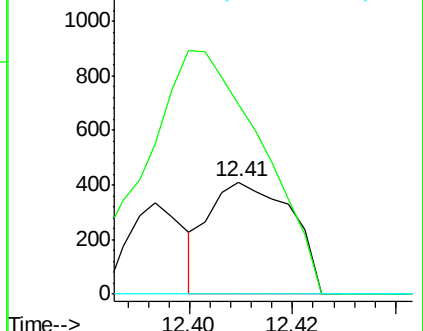
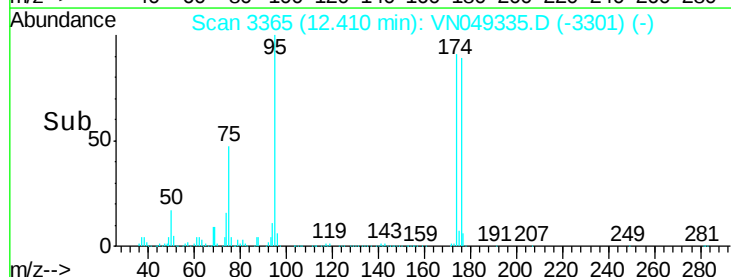
85 0.0 32.0 96.0#

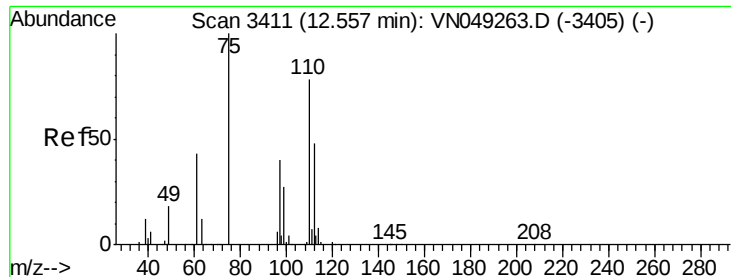


Abundance Ion 82.90 (82.60 to 83.60): V

Ion 130.80 (130.50 to 131.50): V

Ion 84.90 (84.60 to 85.60): V





#76

1,2,3-Trichloropropane

Concen: 41.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

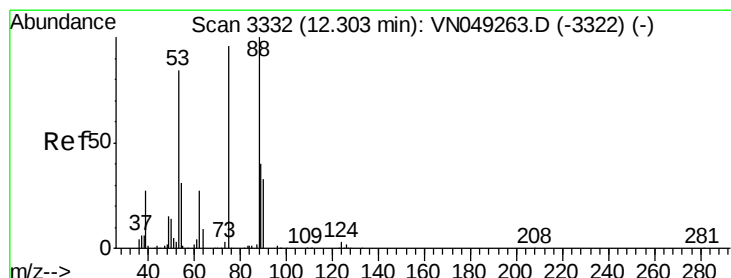
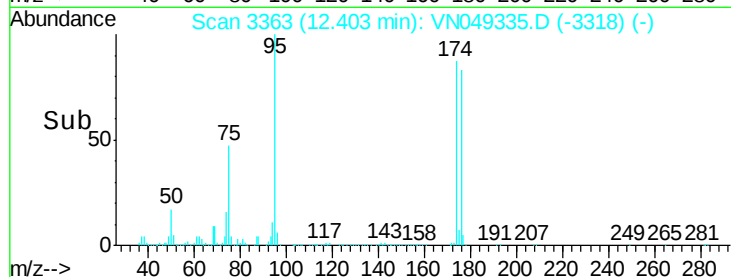
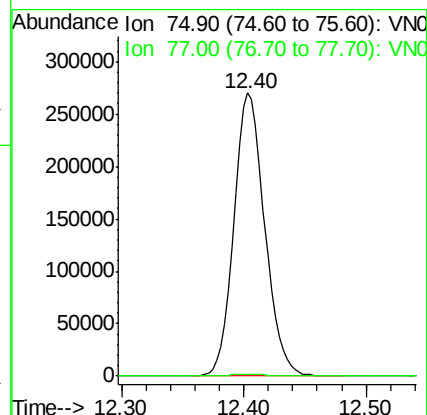
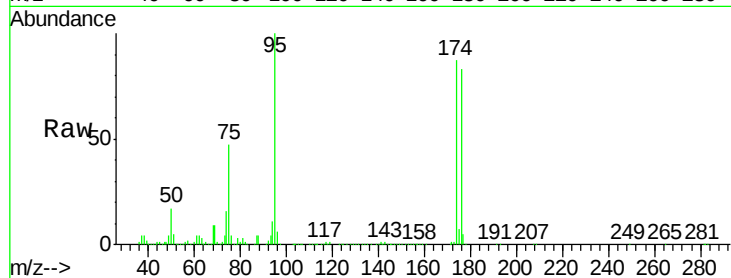
ClientSampleId :

Tot Ion: 75 Resp: 474197

Ion Ratio Lower Upper

75 100

77 1.0 0.0 0.0#



#81

trans-1,4-Dichloro-2-butene

Concen: 131.65 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

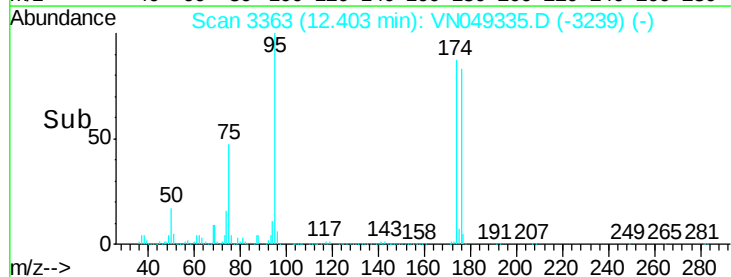
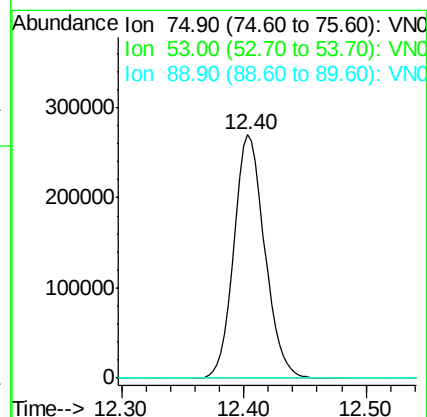
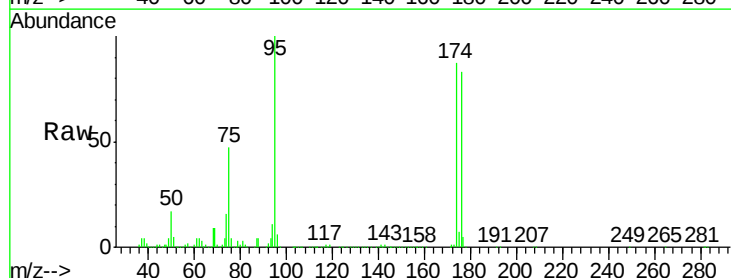
Tgt Ion: 75 Resp: 474197

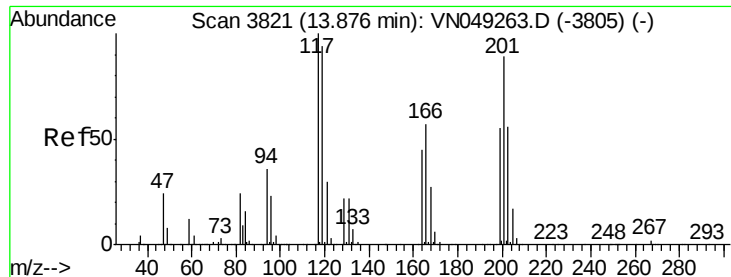
Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

89 0.0 36.5 54.7#

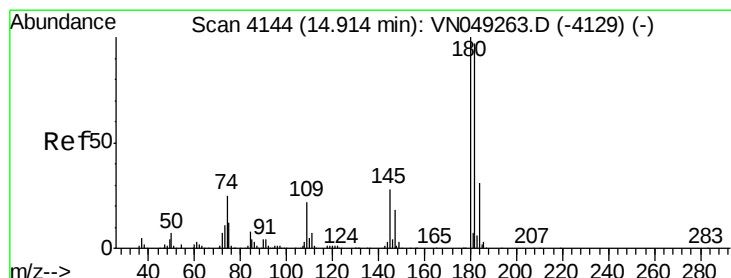
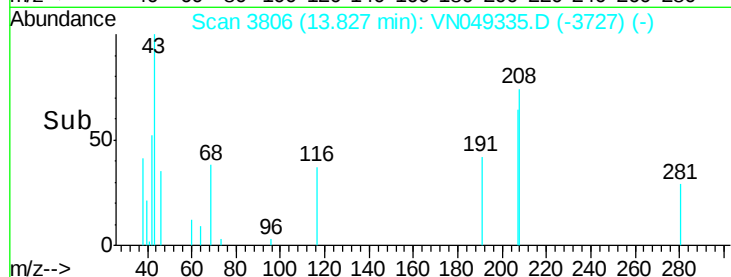
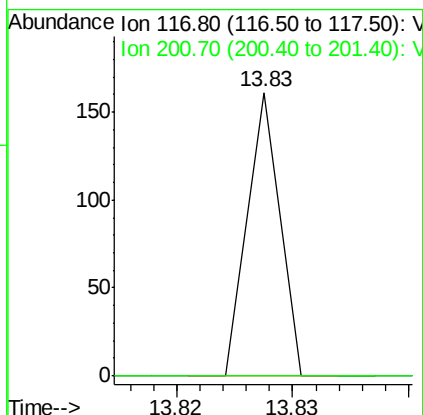
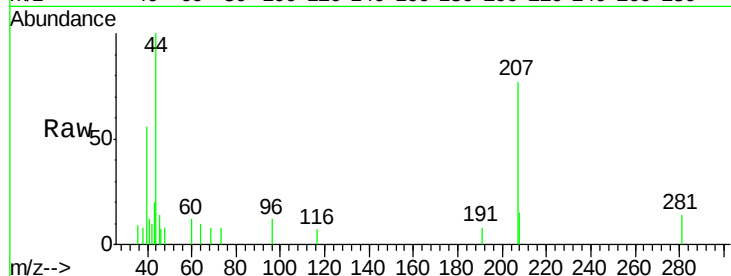




#90
Hexachloroethane
Concen: Below Cal
RT: 13.83 min Scan# 3806
Delta R.T. -0.05 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

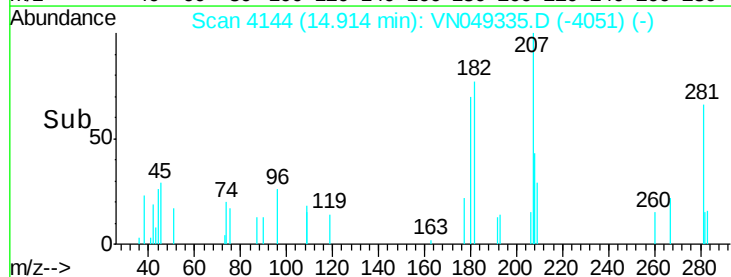
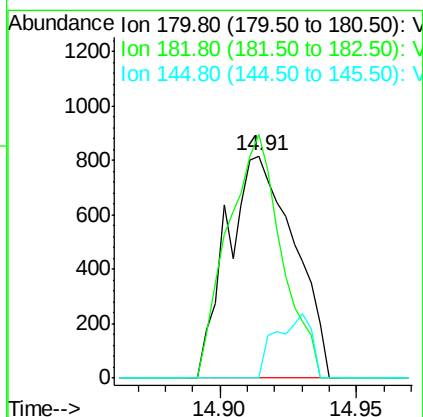
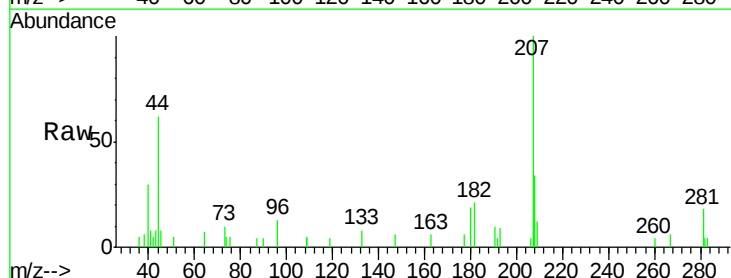
Instrument :
MSVOA_N
ClientSampled :

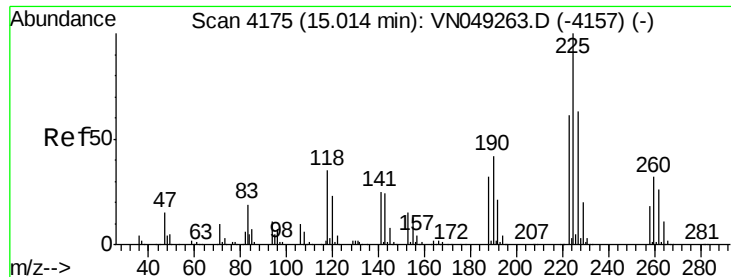
Tot Ion:117 Resp: 31
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#



#93
1,2,4-Trichlorobenzene
Concen: 4.85 ug/l
RT: 14.91 min Scan# 4144
Delta R.T. 0.00 min
Lab File: VN049335.D
Acq: 18 Jun 2018 11:46

Tgt Ion:180 Resp: 1392
Ion Ratio Lower Upper
180 100
182 88.0 46.9 140.8
145 15.3 14.7 44.1





#94

Hexachlorobutadiene

Concen: Below Cal

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN049335.D

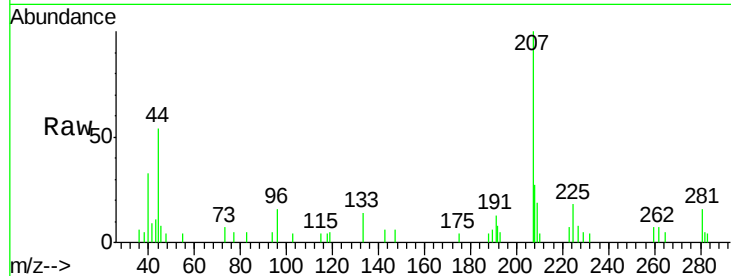
Acq: 18 Jun 2018 11:46

Instrument :

MSVOA_N

ClientSampled :

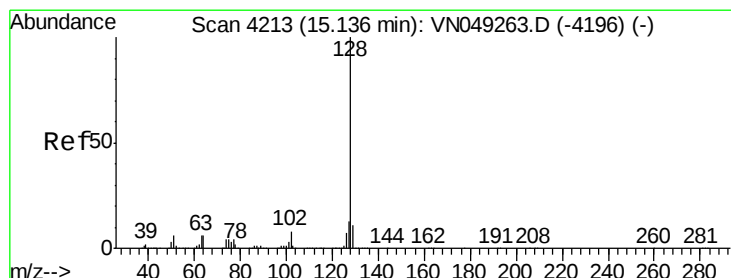
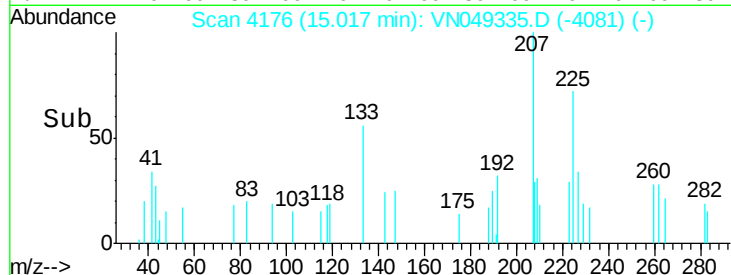
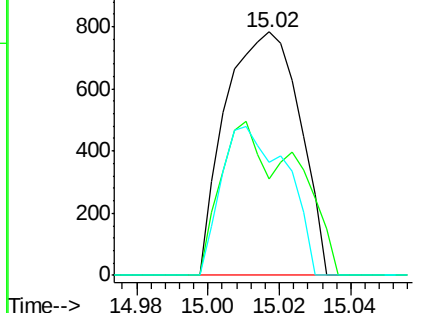
Tot Ion:	225	Resp:	1121
Ion	Ratio	Lower	Upper
225	100		
223	37.9	32.1	96.3
227	54.1	31.8	95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 2.27 ug/l

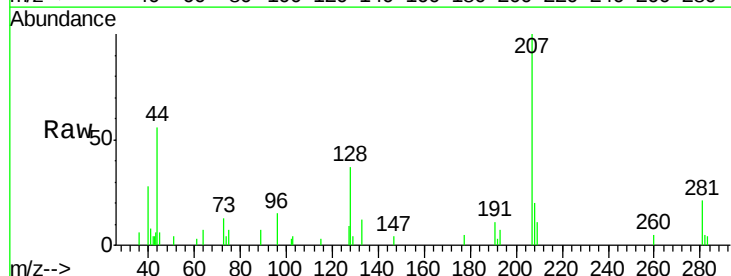
RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049335.D

Acq: 18 Jun 2018 11:46

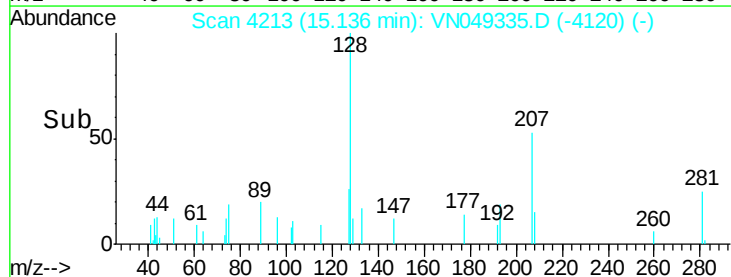
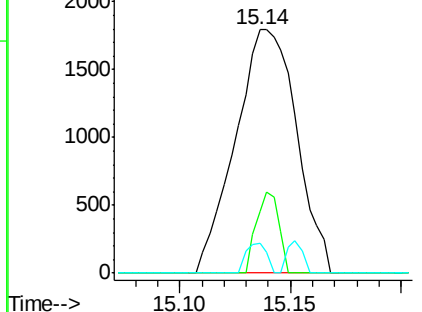
Tgt Ion:	128	Resp:	3455
Ion	Ratio	Lower	Upper
128	100		
127	12.3	10.6	16.0
129	4.1	8.5	12.7#

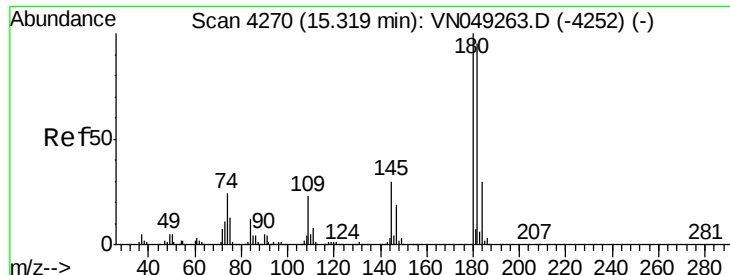


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V

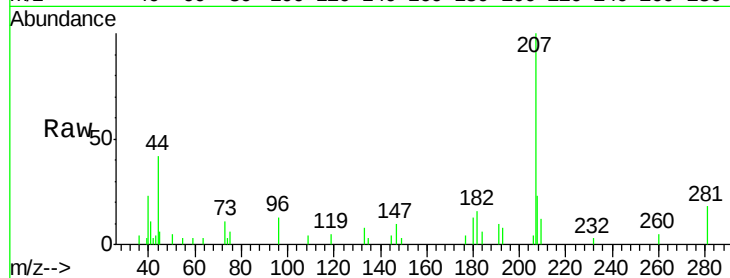




#96
 1,2,3-Trichlorobenzene
 Concen: 3.58 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. -0.00 min
 Lab File: VN049335.D
 Acq: 18 Jun 2018 11:46

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	117.6	47.3	141.8
145	10.8	15.6	46.7#



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

