

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049241.D
 Acq On : 14 Jun 2018 21:00
 Operator : MD\SY
 Sample : J3447-04
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:07:58 2018
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_N\METHODS\82N061318W.M
 Quant Title : SW846 8260
 QLast Update : Thu Jun 14 05:15:23 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) Pentafluorobenzene	7.67	168	436918	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	849368	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	878701	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	259394	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	353372	50.09	ug/l	0.00
Spiked Amount			Recovery	=	100.18%	
35) Dibromofluoromethane	7.59	113	294498	41.89	ug/l	0.00
Spiked Amount			Recovery	=	83.78%	
50) Toluene-d8	10.09	98	1093754	39.99	ug/l	0.00
Spiked Amount			Recovery	=	79.98%	
62) 4-Bromofluorobenzene	12.40	95	356113	39.23	ug/l	0.00
Spiked Amount			Recovery	=	78.46%	

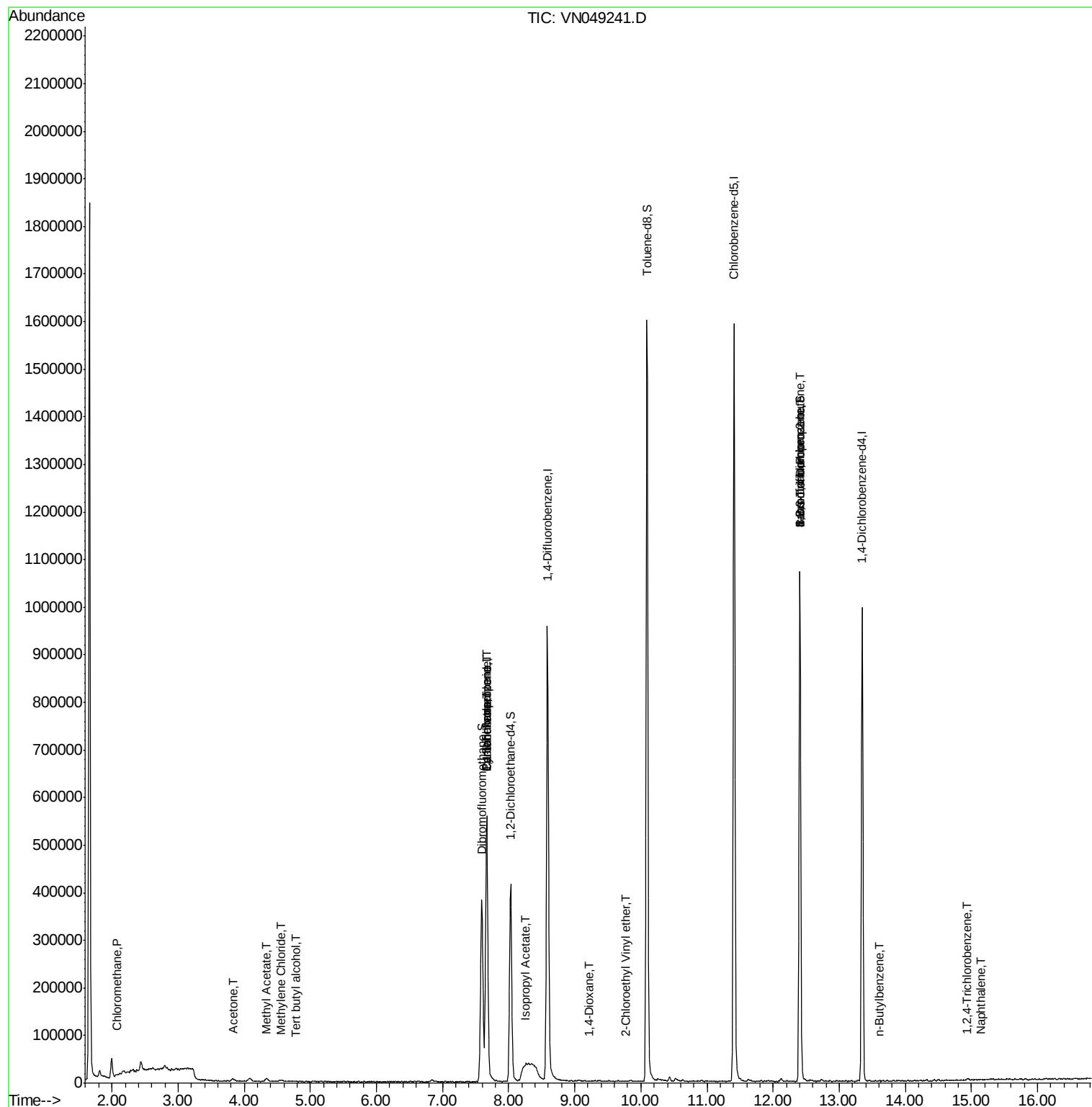
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.06	50	2725	0.42	ug/l #	88
11) Tert butyl alcohol	4.78	59	260	0.68	ug/l #	70
16) Acetone	3.82	43	9144	5.42	ug/l	95
18) Methyl Acetate	4.33	43	11558	0.21	ug/l #	77
20) Methylene Chloride	4.56	84	1726	0.25	ug/l #	67
31) Cyclohexane	7.67	56	11104	0.70	ug/l #	1
36) 1,1-Dichloropropene	7.66	75	38838	3.66	ug/l #	50
38) Carbon Tetrachloride	7.67	117	44851	4.20	ug/l #	18
43) Isopropyl Acetate	8.24	43	31754	2.58	ug/l #	66
49) 1,4-Dioxane	9.20	88	98	1.38	ug/l #	1
58) 2-Chloroethyl Vinyl ether	9.77	63	94	13.21	ug/l #	51
71) Bromoform	12.41	173	1599	0.30	ug/l #	1
75) 1,1,2,2-Tetrachloroethane	12.46	83	140	Below Cal	#	26
76) 1,2,3-Trichloropropane	12.40	75	195045	45.18	ug/l #	100
77) Bromobenzene	12.40	156	136	Below Cal	#	1
81) trans-1,4-Dichloro-2-buten	12.40	75	195045	125.63	ug/l #	9
89) n-Butylbenzene	13.61	91	399	1.58	ug/l #	45
90) Hexachloroethane	13.91	117	31	Below Cal	#	9
93) 1,2,4-Trichlorobenzene	14.92	180	30	4.39	ug/l #	1
95) Naphthalene	15.14	128	1324	5.55	ug/l #	69

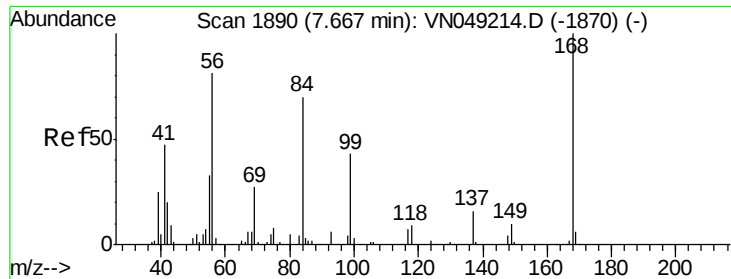
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : SW846 8260
QLast Update : Thu Jun 14 05:15:23 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: VN049241.D

Acq: 14 Jun 2018 21:00

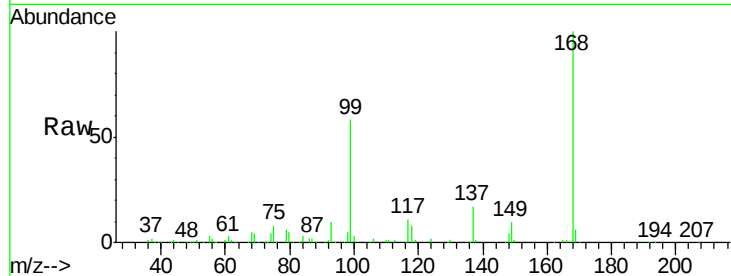
Instrument :
MSVOA_N
ClientSampled :

Tot Ion:168 Resp: 436918

Ion Ratio Lower Upper

168 100

99 57.7 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): VN049241.D (-1870) (-)

Ion 98.90 (98.60 to 99.60): VN049241.D (-1870) (-)

7.67

200000

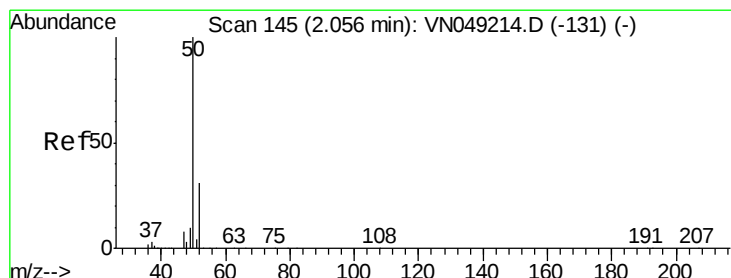
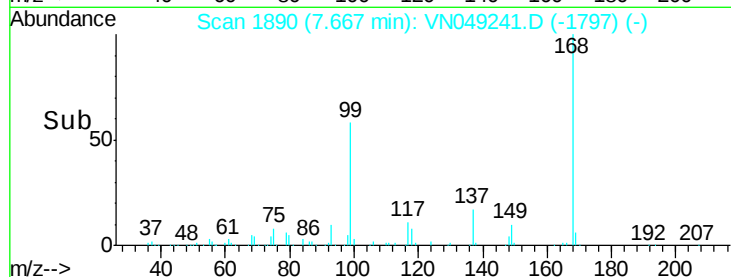
150000

100000

50000

0

Time-->



#3

Chloromethane

Concen: 0.42 ug/l

RT: 2.06 min Scan# 146

Delta R.T. 0.00 min

Lab File: VN049241.D

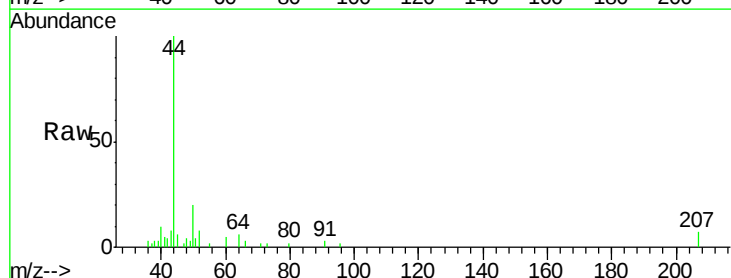
Acq: 14 Jun 2018 21:00

Tgt Ion: 50 Resp: 2725

Ion Ratio Lower Upper

50 100

52 38.0 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VN049241.D (-131) (-)

Ion 51.90 (51.60 to 52.60): VN049241.D (-131) (-)

2.06

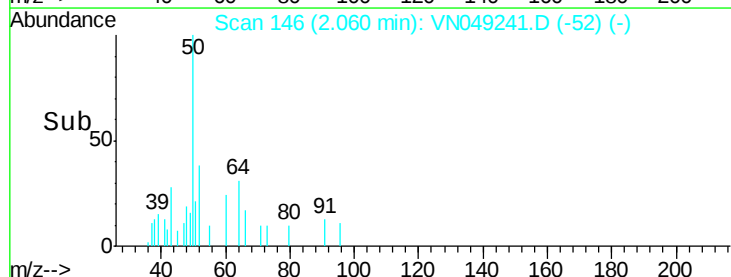
1500

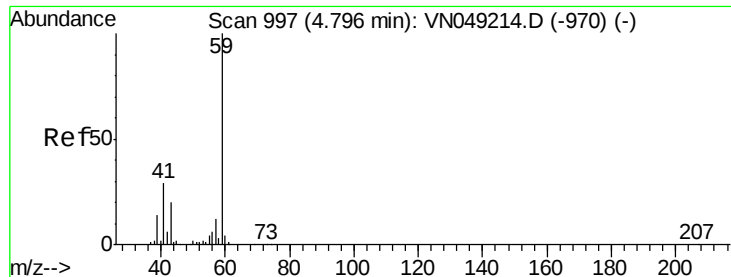
1000

500

0

Time-->



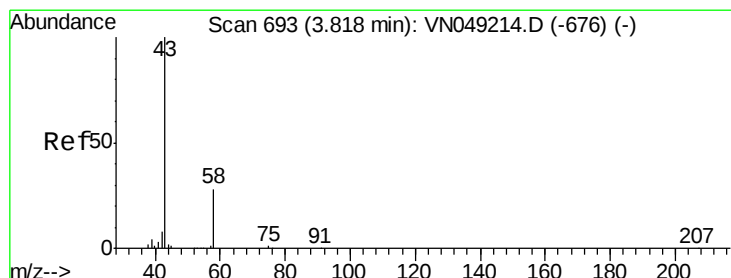
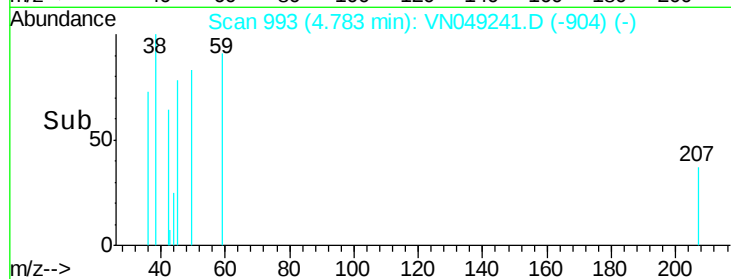
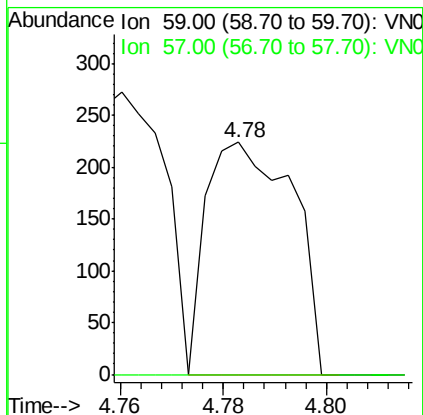
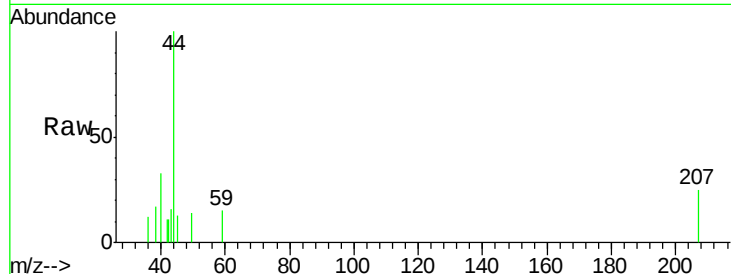


#11

Tert butyl alcohol
 Concen: 0.68 ug/l
 RT: 4.78 min Scan# 993
 Delta R.T. -0.01 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Instrument :
 MSVOA_N
 ClientSampled :

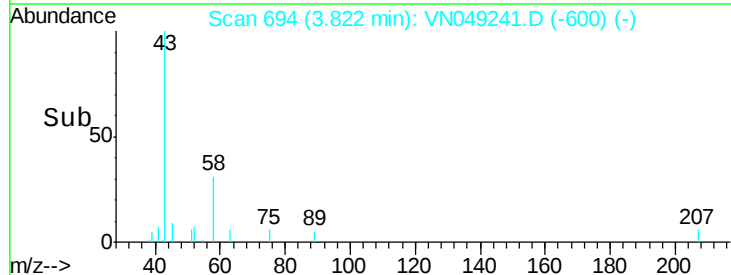
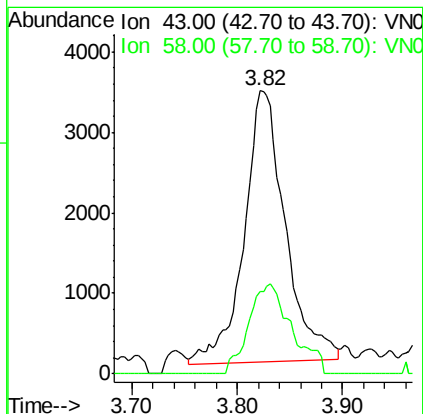
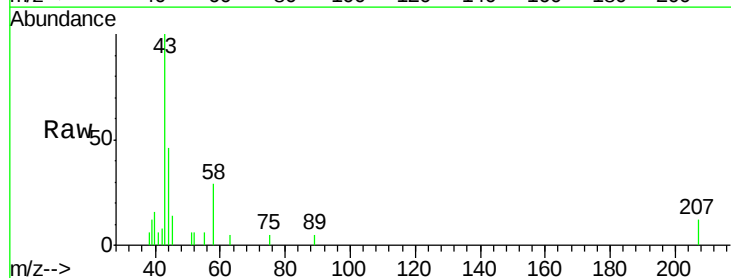
Tot Ion: 59 Resp: 260
 Ion Ratio Lower Upper
 59 100
 57 0.0 9.0 13.6#

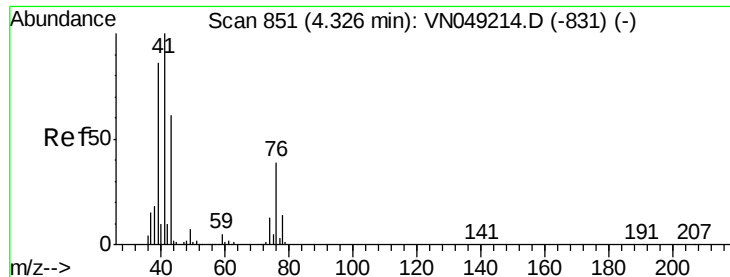


#16

Acetone
 Concen: 5.42 ug/l
 RT: 3.82 min Scan# 694
 Delta R.T. 0.00 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Tgt Ion: 43 Resp: 9144
 Ion Ratio Lower Upper
 43 100
 58 30.8 22.4 33.6





#18

Methyl Acetate

Concen: 0.21 ug/l

RT: 4.33 min Scan# 852

Delta R.T. 0.00 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

Instrument :

MSVOA_N

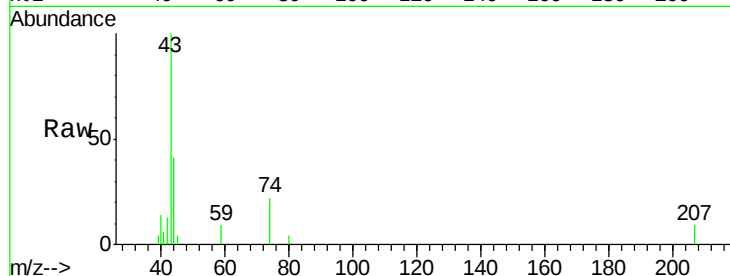
ClientSampleId :

Tot Ion: 43 Resp: 11558

Ion Ratio Lower Upper

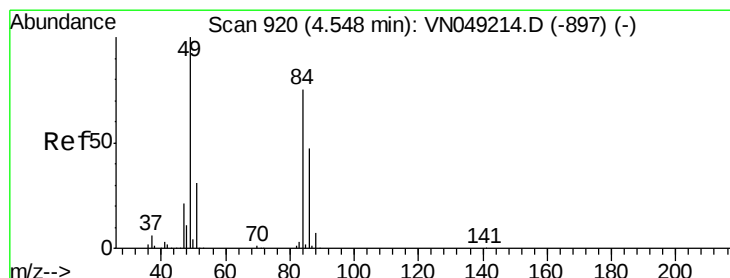
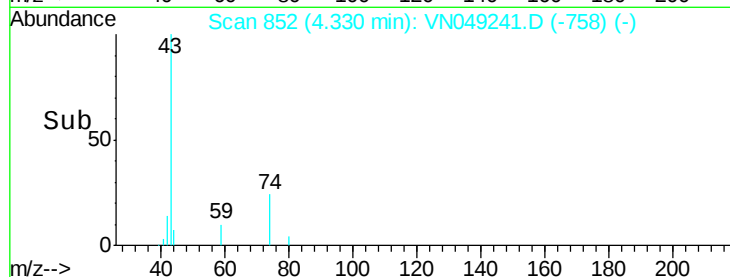
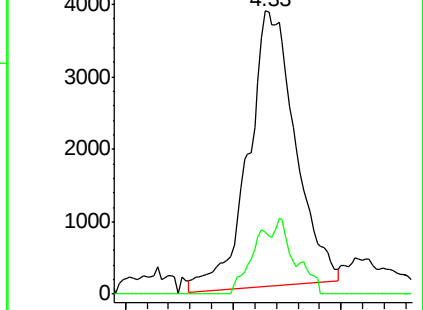
43 100

74 10.9 17.4 26.0#



Abundance Ion 43.00 (42.70 to 43.70): VN049241.D (-831) (-)

Ion 74.00 (73.70 to 74.70): VN049241.D (-831) (-)



#20

Methylene Chloride

Concen: 0.25 ug/l

RT: 4.56 min Scan# 923

Delta R.T. 0.01 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

Tgt Ion: 84 Resp: 1726

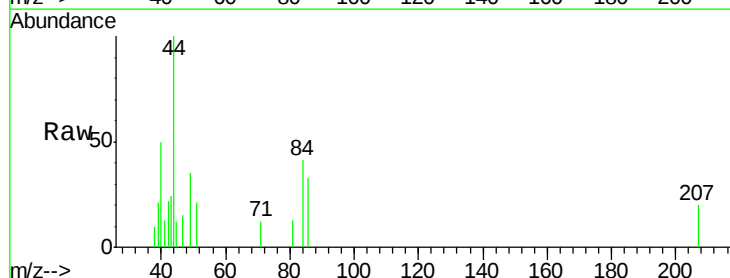
Ion Ratio Lower Upper

84 100

49 84.3 106.9 160.3#

51 51.2 32.7 49.1#

86 80.3 49.8 74.8#

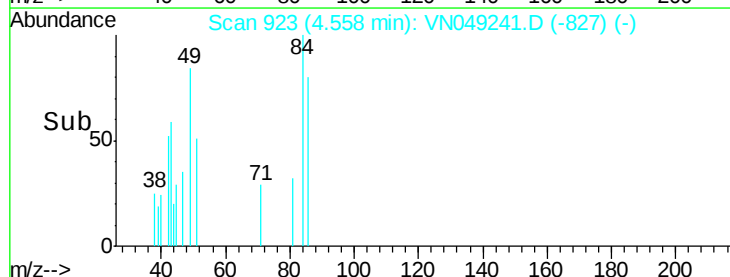
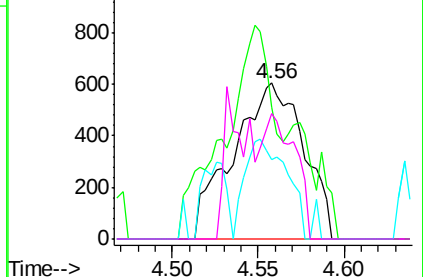


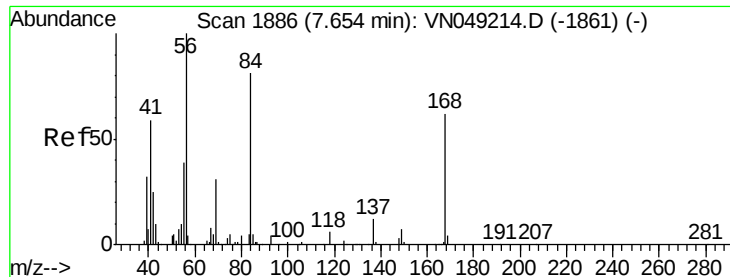
Abundance Ion 83.90 (83.60 to 84.60): VN049241.D (-897) (-)

Ion 48.90 (48.60 to 49.60): VN049241.D (-897) (-)

Ion 50.90 (50.60 to 51.60): VN049241.D (-897) (-)

Ion 85.90 (85.60 to 86.60): VN049241.D (-897) (-)

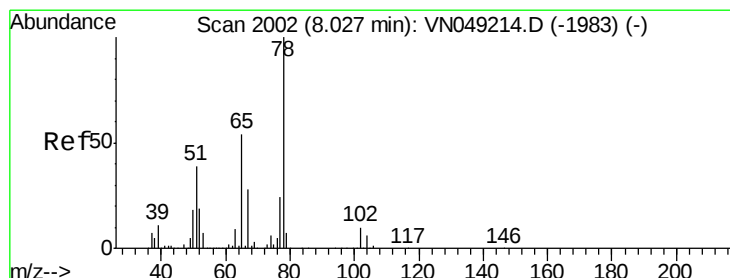
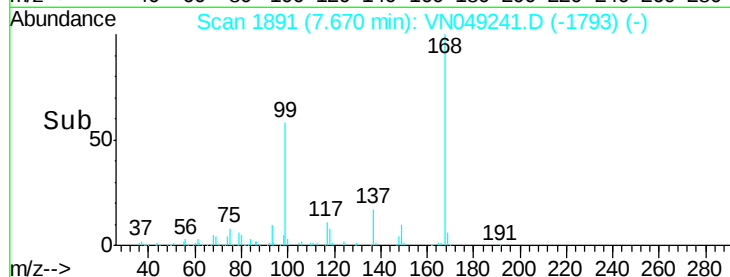
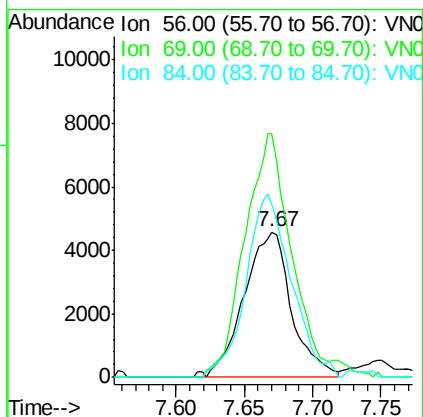
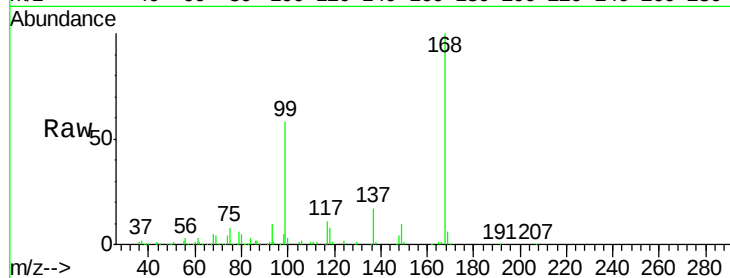




#31
Cyclohexane
Concen: 0.70 ug/l
RT: 7.67 min Scan# 1891
Delta R.T. 0.02 min
Lab File: VN049241.D
Acq: 14 Jun 2018 21:00

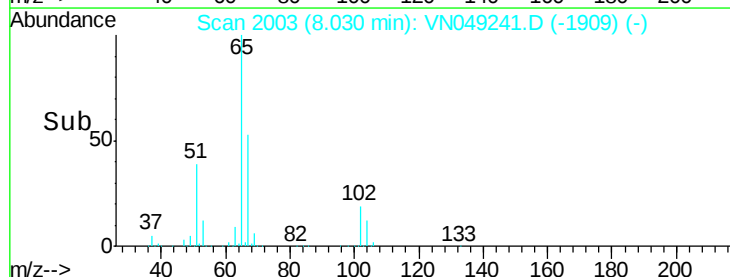
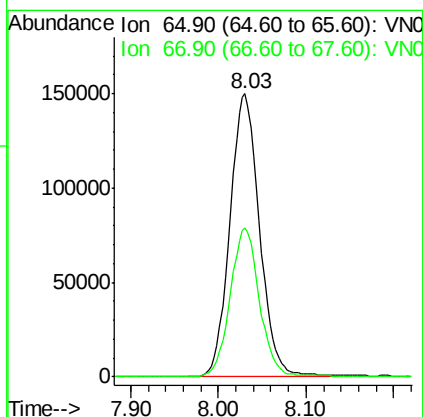
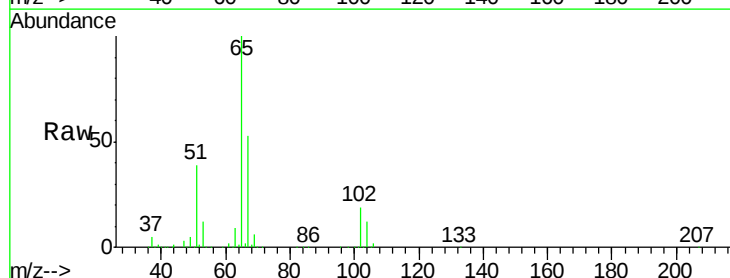
Instrument :
MSVOA_N
ClientSampled :

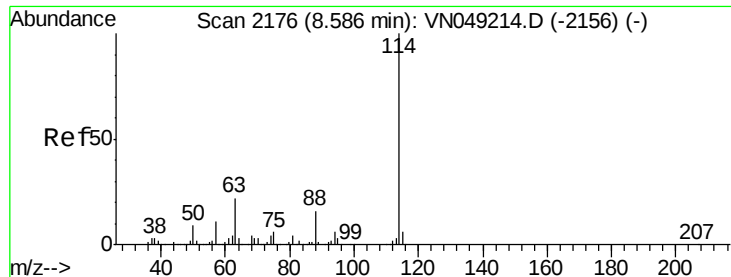
Tot Ion: 56 Resp: 11104
Ion Ratio Lower Upper
56 100
69 166.8 25.0 37.4#
84 119.3 64.6 96.8#



#33
1,2-Dichloroethane-d4
Concen: 50.09 ug/l
RT: 8.03 min Scan# 2003
Delta R.T. 0.00 min
Lab File: VN049241.D
Acq: 14 Jun 2018 21:00

Tgt Ion: 65 Resp: 353372
Ion Ratio Lower Upper
65 100
67 51.8 0.0 103.8

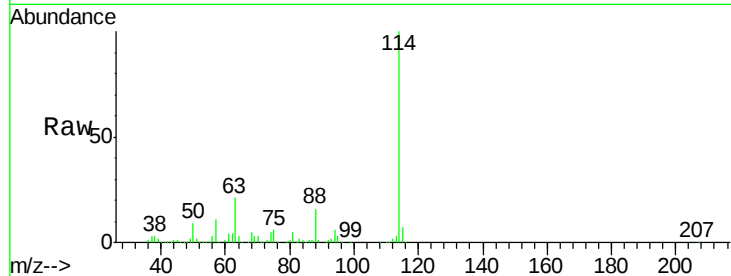




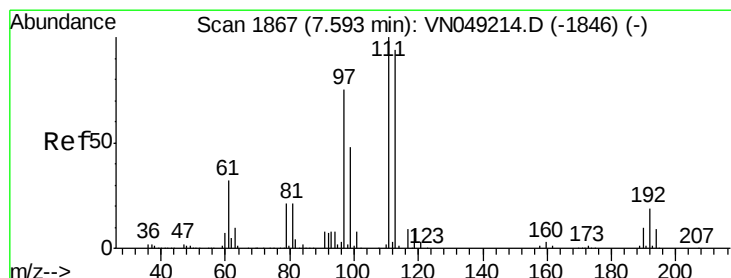
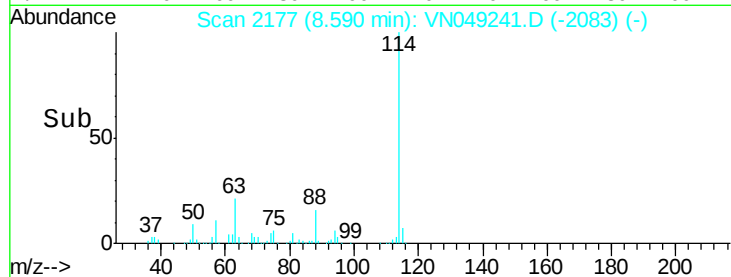
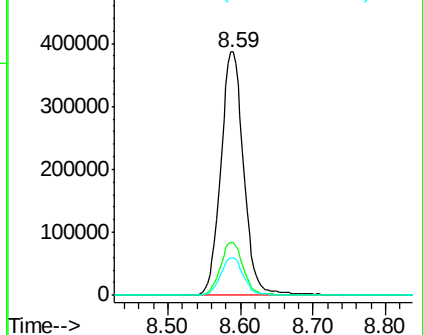
#34
 1,4-Difluorobenzene
 Concen: 50.00 ug/l
 RT: 8.59 min Scan# 2177
 Delta R.T. 0.00 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Instrument :
 MSVOA_N
 ClientSampled :

Tot Ion	Ratio	Lower	Upper
114	100		
63	21.5	0.0	44.4
88	15.6	0.0	31.4

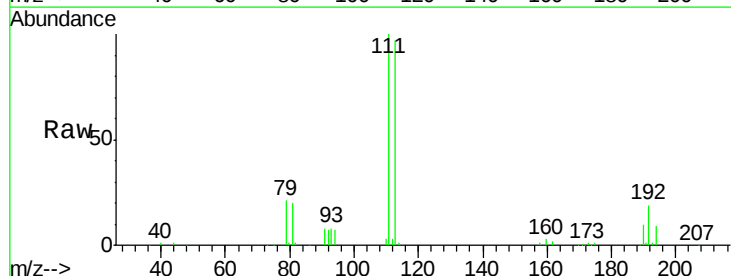


Abundance Ion 113.90 (113.60 to 114.60): V
 Ion 63.00 (62.70 to 63.70): VN
 Ion 87.90 (87.60 to 88.60): VN

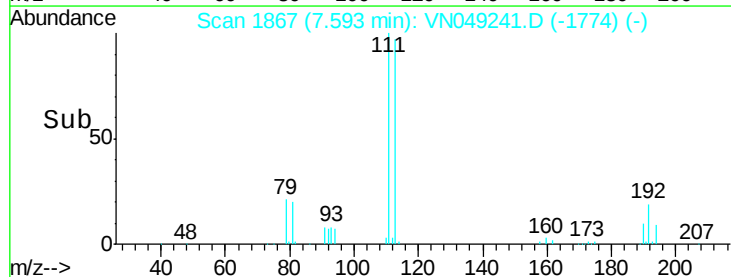
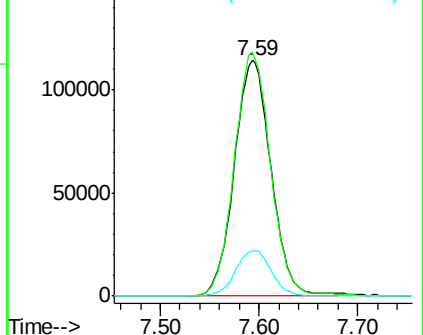


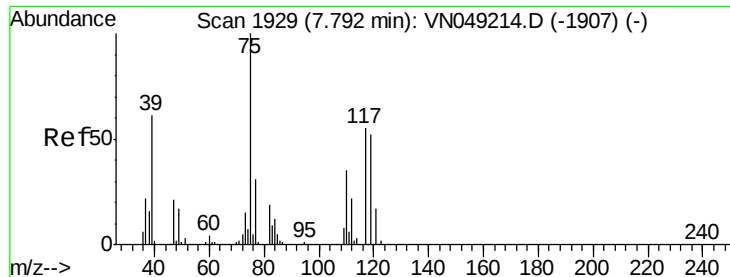
#35
 Dibromofluoromethane
 Concen: 41.89 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Tgt Ion	Ratio	Lower	Upper
113	100		
111	102.4	82.4	123.6
192	18.9	15.0	22.6



Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

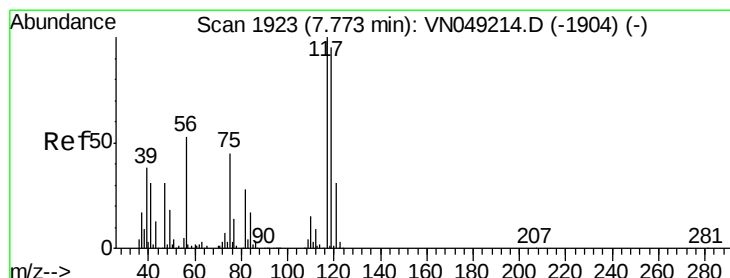
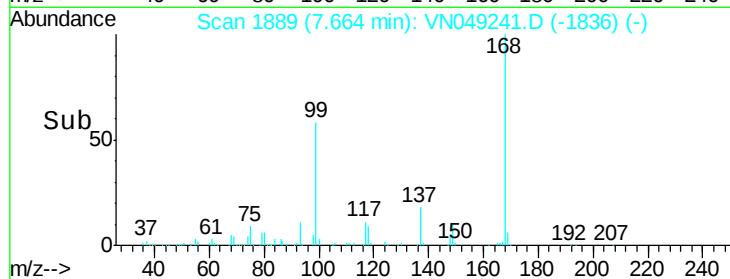
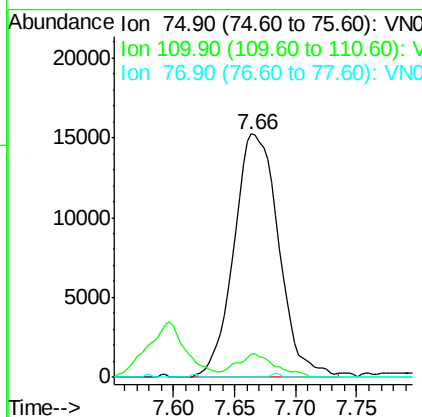
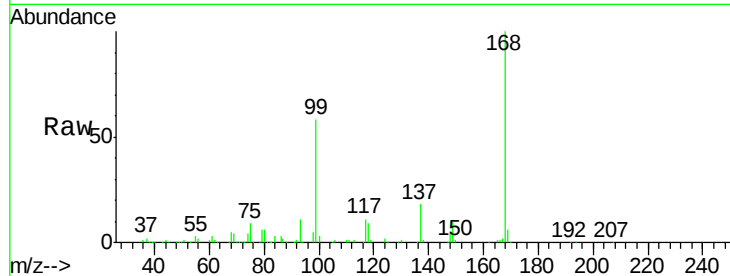




#36
 1,1-Dichloropropene
 Concen: 3.66 ug/l
 RT: 7.66 min Scan# 1889
 Delta R.T. -0.13 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

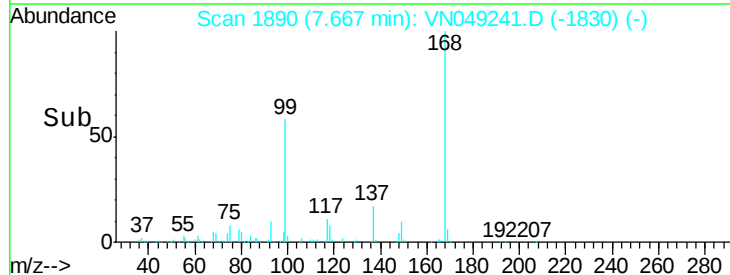
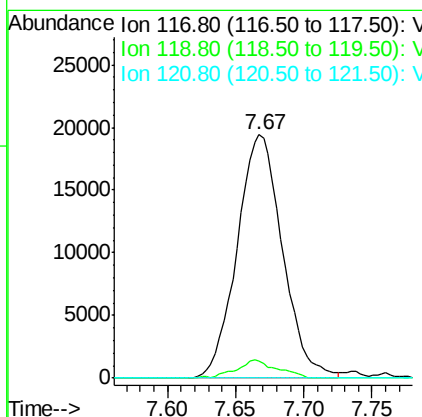
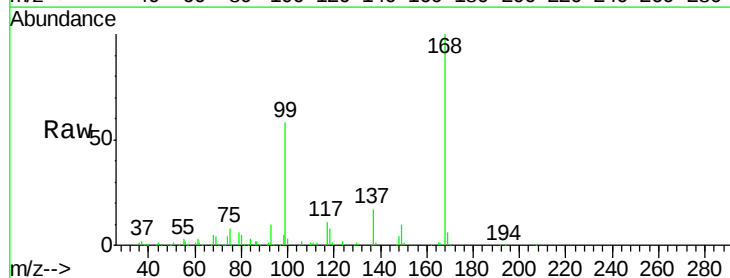
Instrument :
 MSVOA_N
 ClientSampleId :

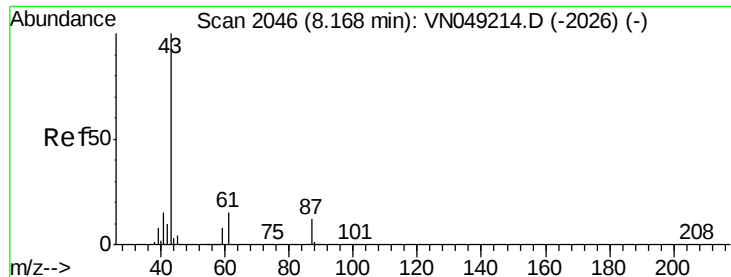
Tot Ion	Ratio	Lower	Upper
75	100		
110	8.5	17.0	50.9#
77	0.3	24.4	36.6#



#38
 Carbon Tetrachloride
 Concen: 4.20 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.11 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
119	6.9	75.6	113.4#
121	0.0	24.7	37.1#



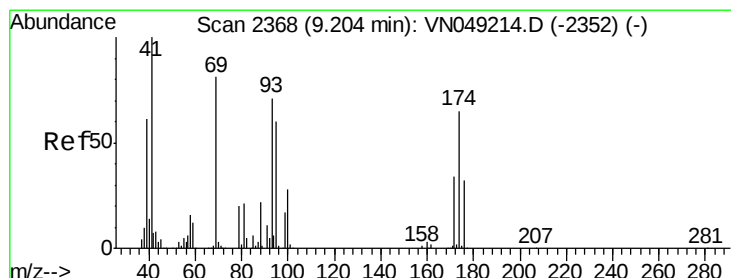
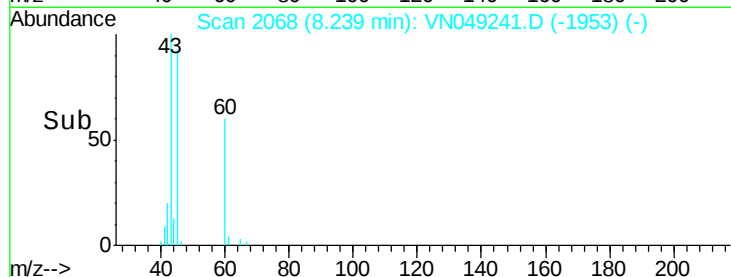
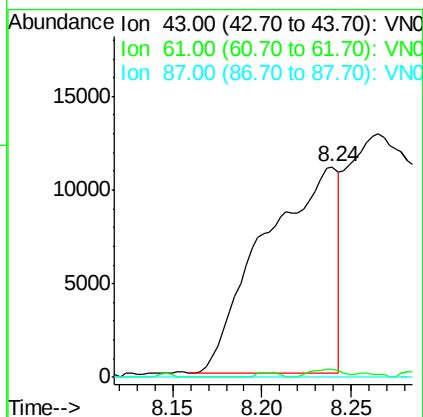
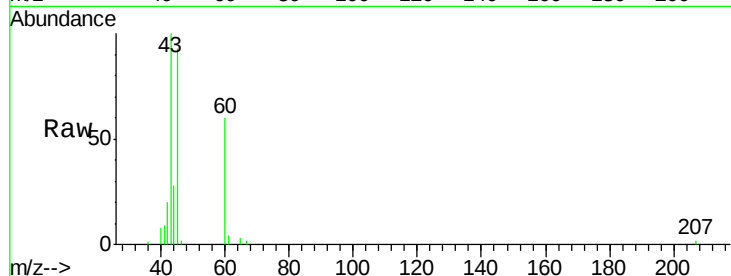


#43

Isopropyl Acetate
 Concen: 2.58 ug/l
 RT: 8.24 min Scan# 2068
 Delta R.T. 0.07 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Instrument :
 MSVOA_N
 ClientSampleId :

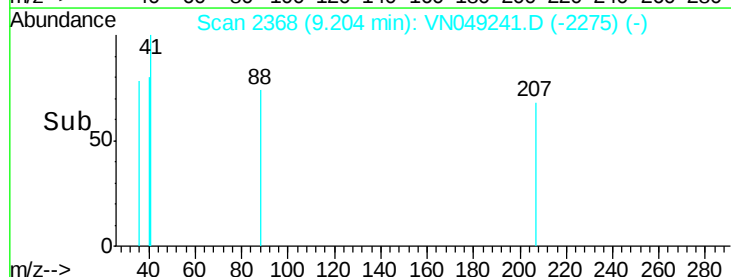
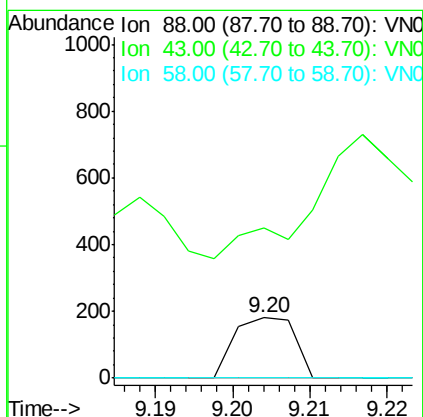
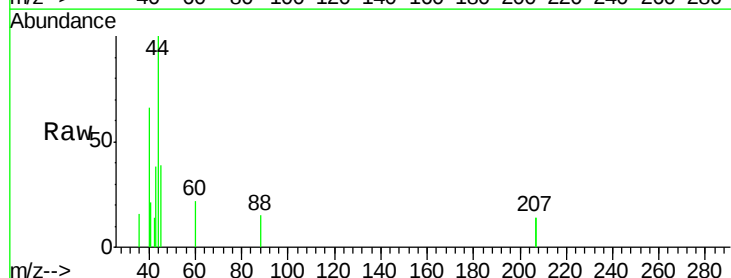
Tot Ion	43	Resp	31754
Ion Ratio	Lower	Upper	
43	100		
61	1.8	14.2	21.4#
87	0.0	9.4	14.0#

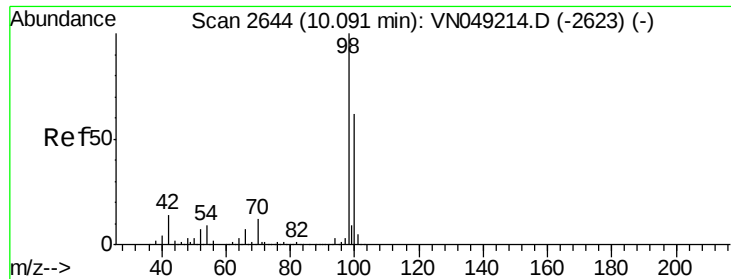


#49

1,4-Dioxane
 Concen: 1.38 ug/l
 RT: 9.20 min Scan# 2368
 Delta R.T. 0.00 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Tgt Ion	88	Resp	98
Ion Ratio	Lower	Upper	
88	100		
43	418.4	30.9	46.3#
58	0.0	58.9	88.3#

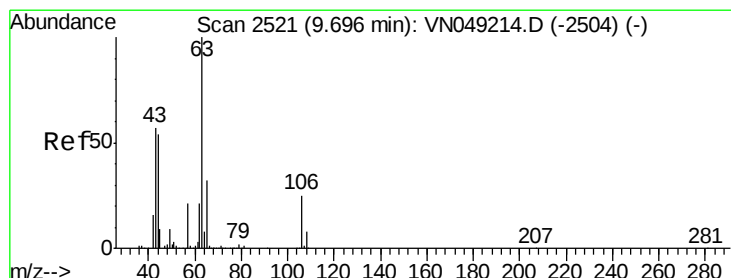
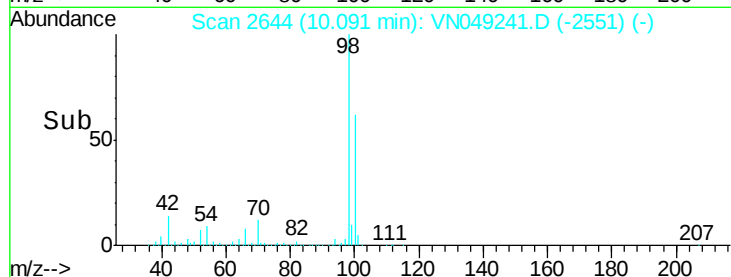
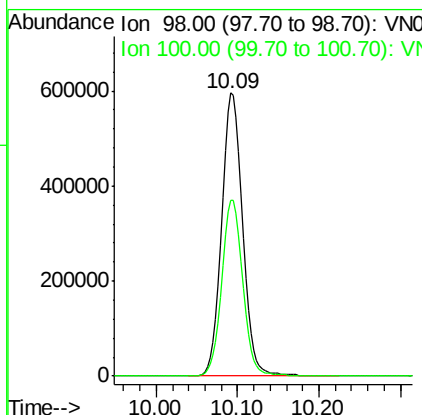
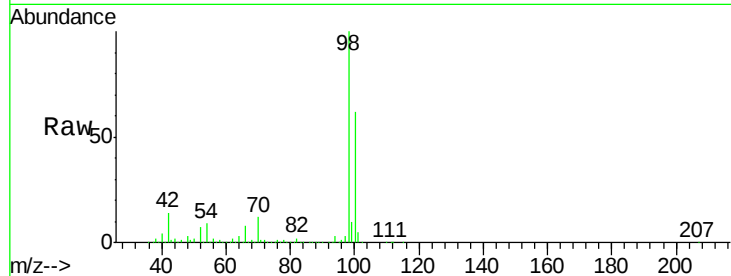




#50
Toluene-d8
Concen: 39.99 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049241.D
Acq: 14 Jun 2018 21:00

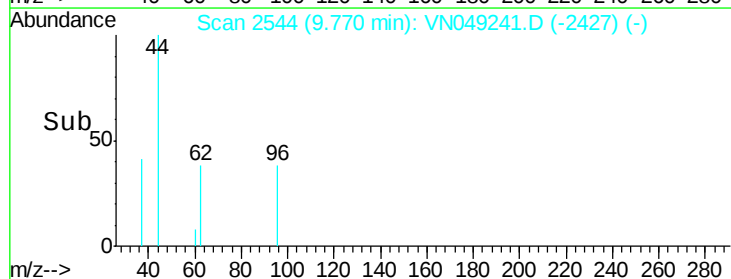
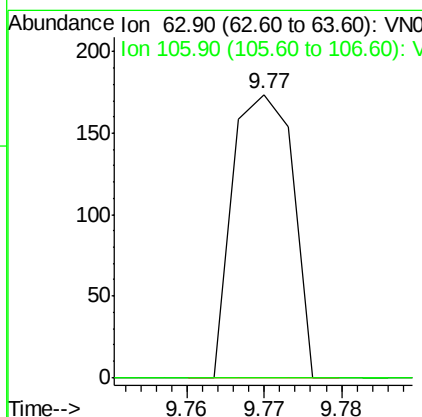
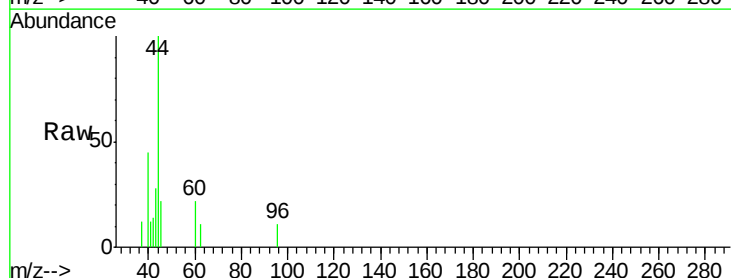
Instrument :
MSVOA_N
ClientSampled :

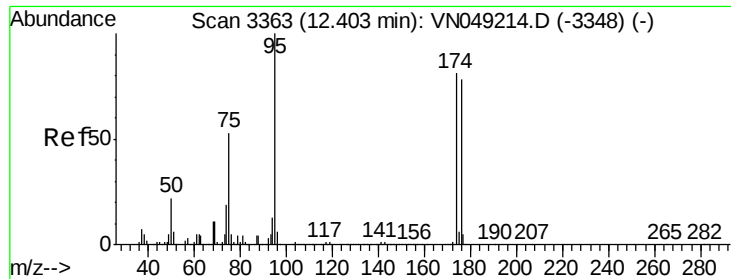
Tot Ion: 98 Resp: 1093754
Ion Ratio Lower Upper
98 100
100 62.2 49.8 74.8



#58
2-Chloroethyl Vinyl ether
Concen: 13.21 ug/l
RT: 9.77 min Scan# 2544
Delta R.T. 0.07 min
Lab File: VN049241.D
Acq: 14 Jun 2018 21:00

Tgt Ion: 63 Resp: 94
Ion Ratio Lower Upper
63 100
106 0.0 19.4 29.2#

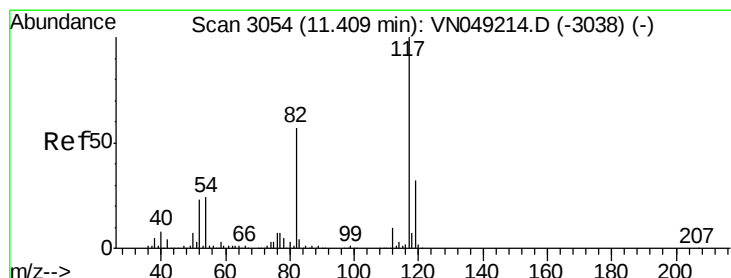
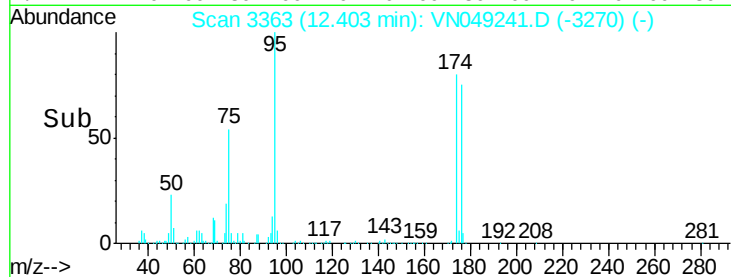
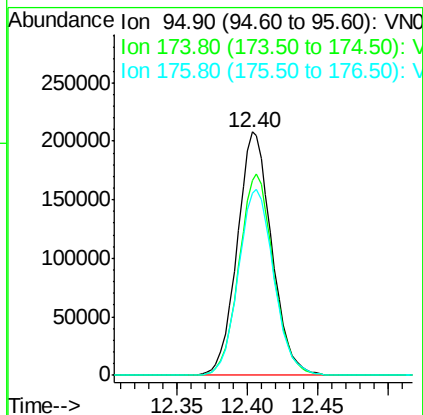
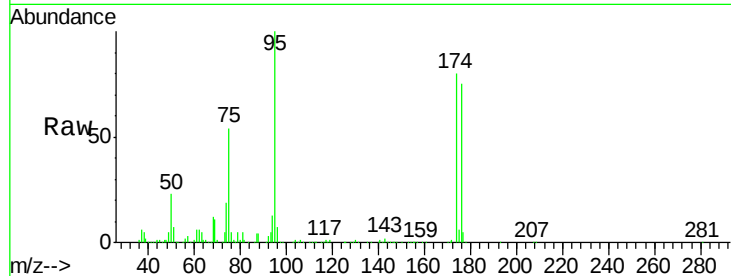




#62
4-Bromofluorobenzene
Concen: 39.23 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049241.D
Acq: 14 Jun 2018 21:00

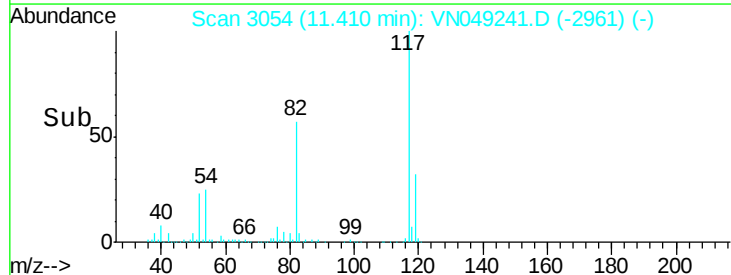
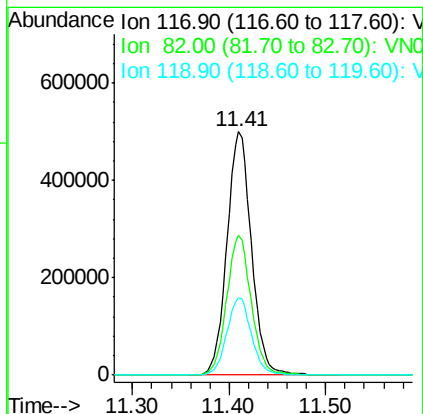
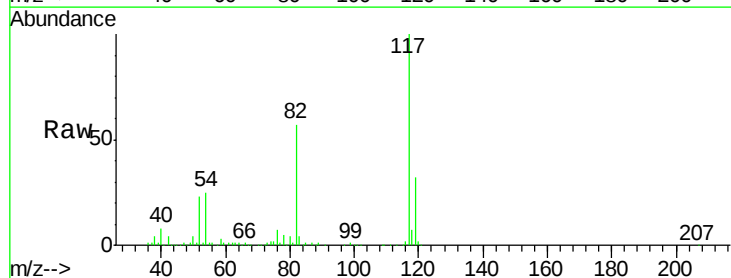
Instrument :
MSVOA_N
ClientSampleId :

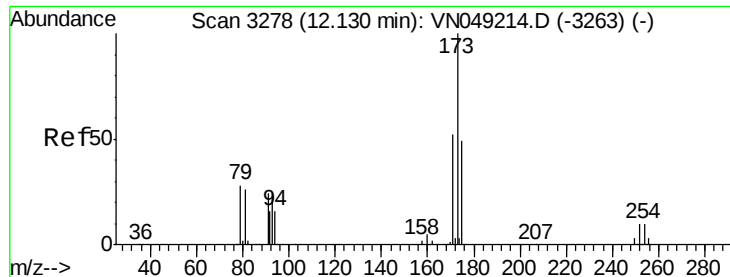
Tot Ion	Ratio	Lower	Upper
95	100		
174	82.4	0.0	165.6
176	78.2	0.0	157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049241.D
Acq: 14 Jun 2018 21:00

Tgt Ion	Ratio	Lower	Upper
117	100		
82	57.3	45.9	68.9
119	32.0	25.5	38.3





#71

Bromoform

Concen: 0.30 ug/l

RT: 12.41 min Scan# 3365

Delta R.T. 0.28 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

Instrument :

MSVOA_N

ClientSampleId :

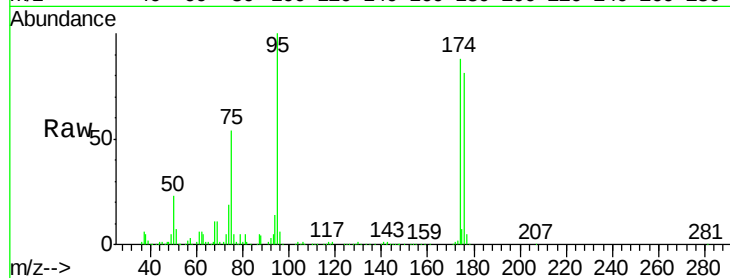
Tot Ion:173 Resp: 1599

Ion Ratio Lower Upper

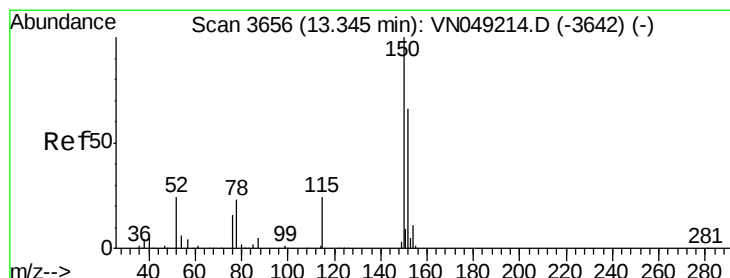
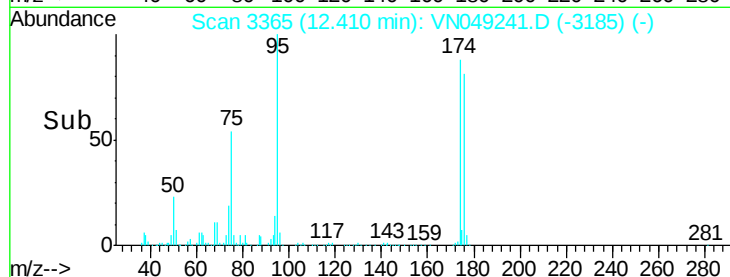
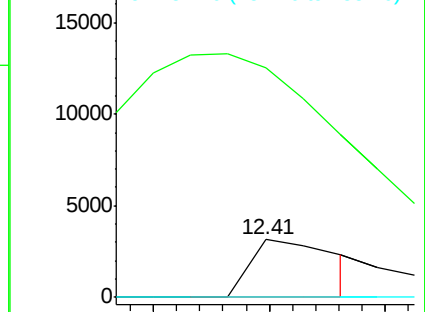
173 100

175 1223.3 24.5 73.5#

254 0.0 0.1 0.1#



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: VN049241.D

Acq: 14 Jun 2018 21:00

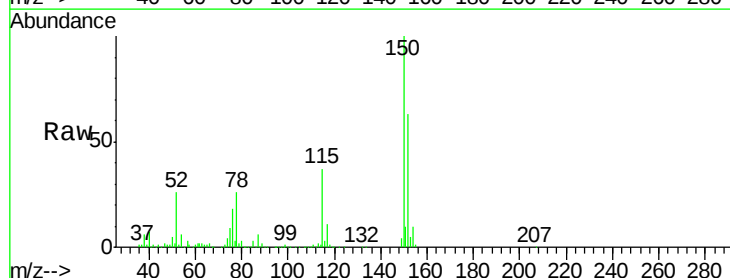
Tgt Ion:152 Resp: 259394

Ion Ratio Lower Upper

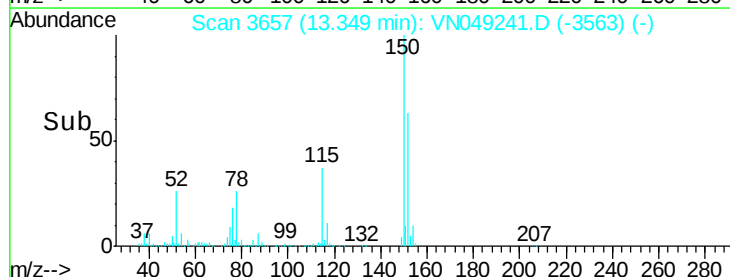
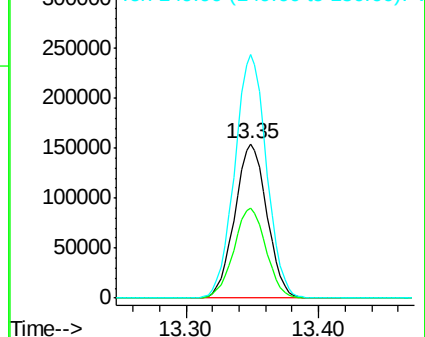
152 100

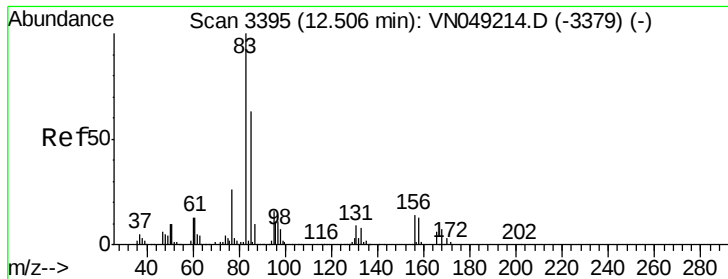
115 58.6 28.7 86.1

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: 12.46 min Scan# 3381

Delta R.T. -0.04 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

Instrument :

MSVOA_N

ClientSampled :

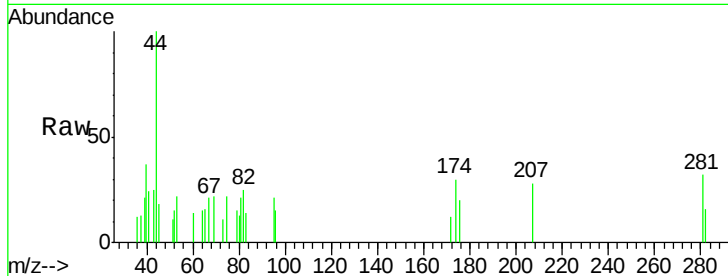
Tot Ion: 83 Resp: 140

Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 0.0 32.0 96.0#

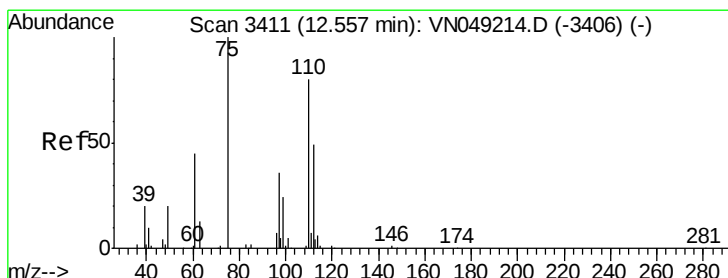
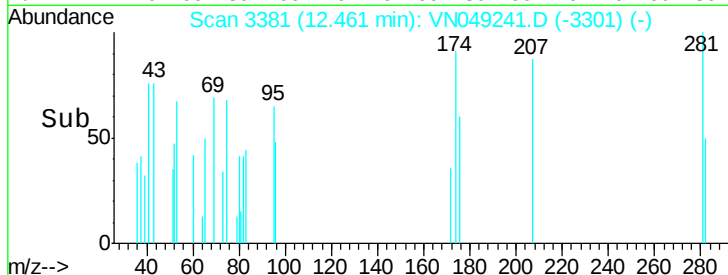
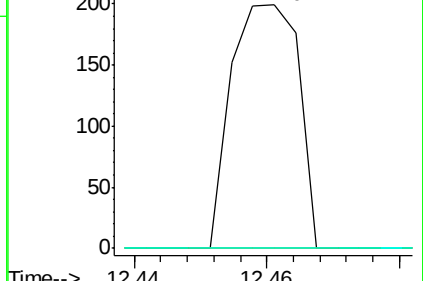


Abundance Ion 82.90 (82.60 to 83.60): VNC

Ion 130.80 (130.50 to 131.50): VNC

Ion 84.90 (84.60 to 85.60): VNC

12.46



#76

1,2,3-Trichloropropane

Concen: 45.18 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049241.D

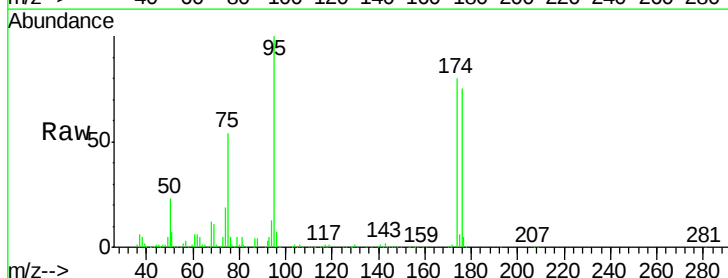
Acq: 14 Jun 2018 21:00

Tgt Ion: 75 Resp: 195045

Ion Ratio Lower Upper

75 100

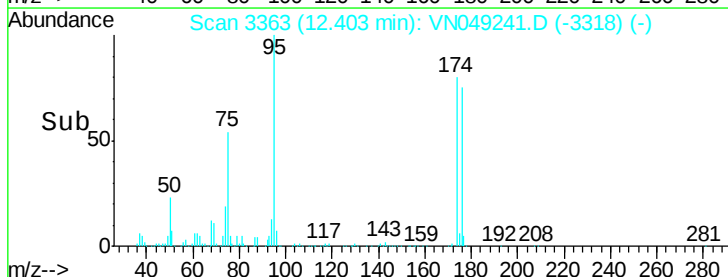
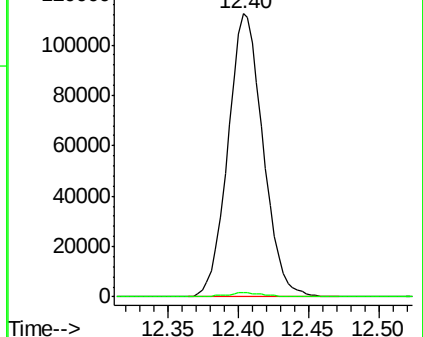
77 1.5 0.0 0.0#

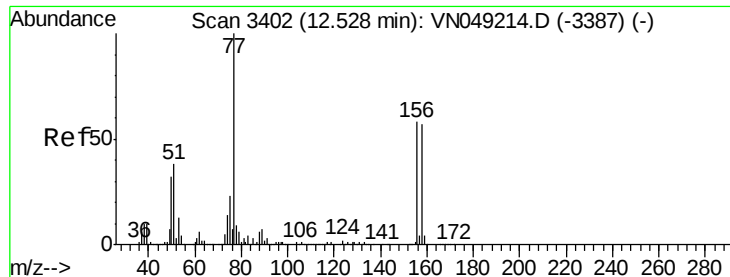


Abundance Ion 74.90 (74.60 to 75.60): VNC

Ion 77.00 (76.70 to 77.70): VNC

12.40





#77

Bromobenzene

Concen: Below Cal

RT: 12.40 min Scan# 3363

Delta R.T. -0.12 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

Instrument :

MSVOA_N

ClientSampleId :

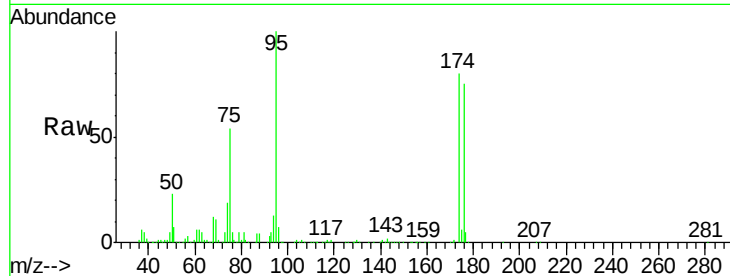
Tot Ion:156 Resp: 136

Ion Ratio Lower Upper

156 100

77 2125.7 100.8 302.4#

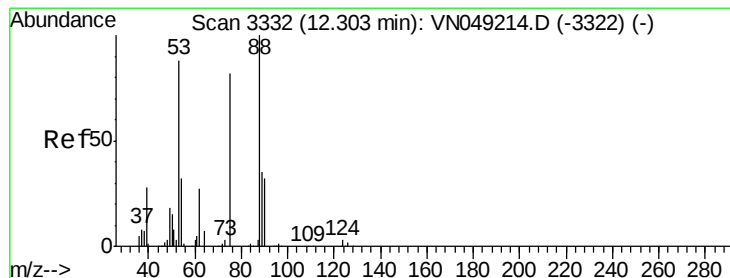
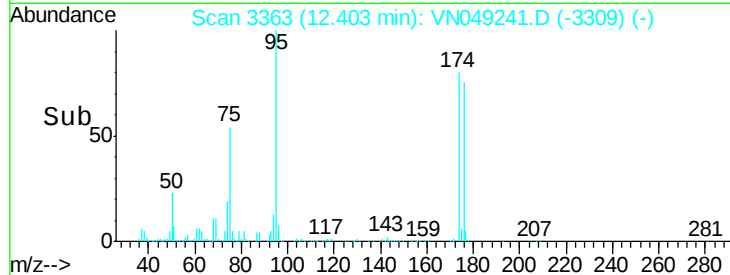
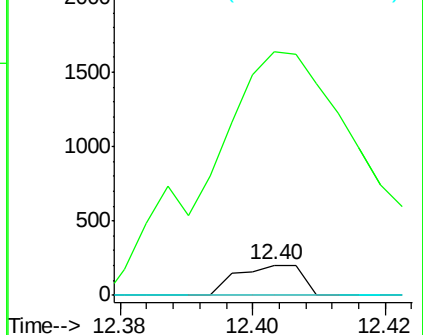
158 0.0 49.3 147.9#



Abundance Ion 155.80 (155.50 to 156.50): V

Ion 77.00 (76.70 to 77.70): VNO

Ion 157.80 (157.50 to 158.50): V



#81

trans-1,4-Dichloro-2-butene

Concen: 125.63 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

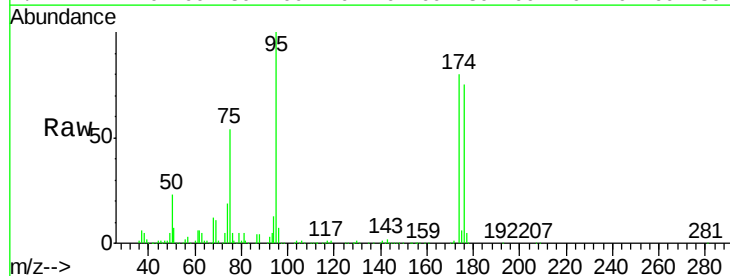
Tgt Ion: 75 Resp: 195045

Ion Ratio Lower Upper

75 100

53 0.2 82.7 124.1#

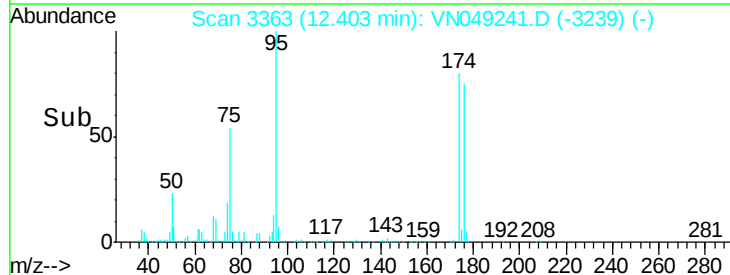
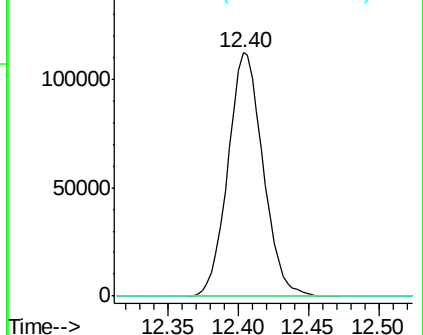
89 0.0 36.5 54.7#

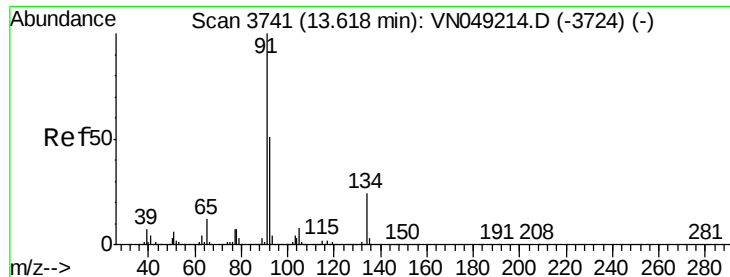


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#89

n-Butylbenzene

Concen: 1.58 ug/l

RT: 13.61 min Scan# 3739

Delta R.T. -0.01 min

Lab File: VN049241.D

Acq: 14 Jun 2018 21:00

Instrument :

MSVOA_N

ClientSampleId :

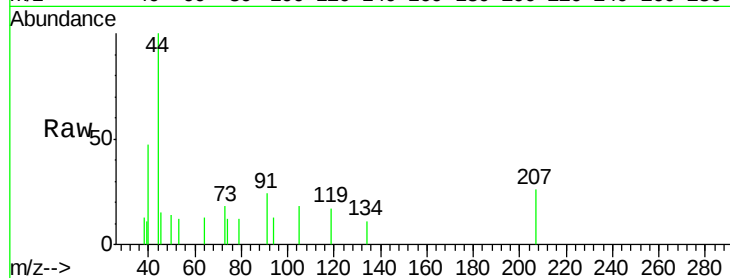
Tot Ion: 91 Resp: 399

Ion Ratio Lower Upper

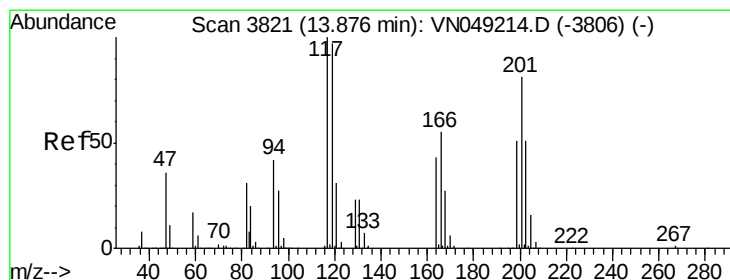
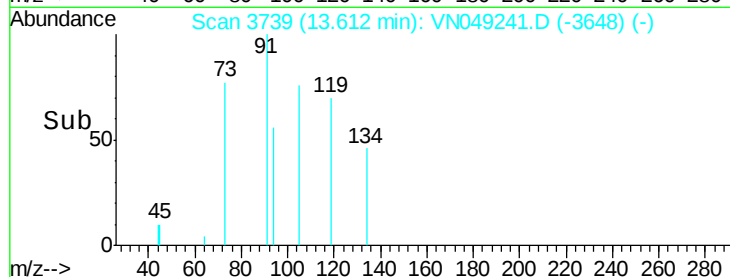
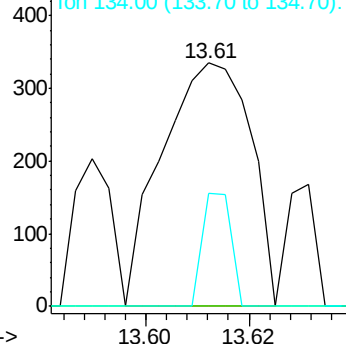
91 100

92 0.0 25.1 75.4#

134 14.8 12.0 36.0



Abundance Ion 91.00 (90.70 to 91.70): VN049241.D (-3724) (-)



#90

Hexachloroethane

Concen: Below Cal

RT: 13.91 min Scan# 3831

Delta R.T. 0.03 min

Lab File: VN049241.D

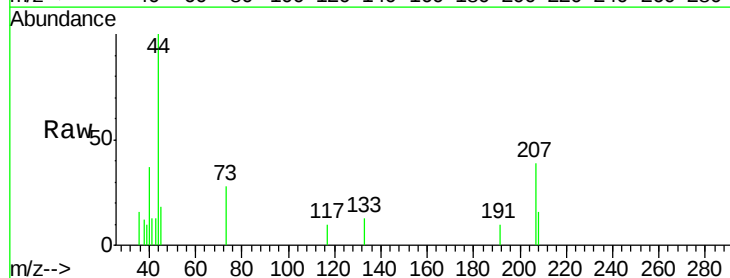
Acq: 14 Jun 2018 21:00

Tgt Ion: 117 Resp: 31

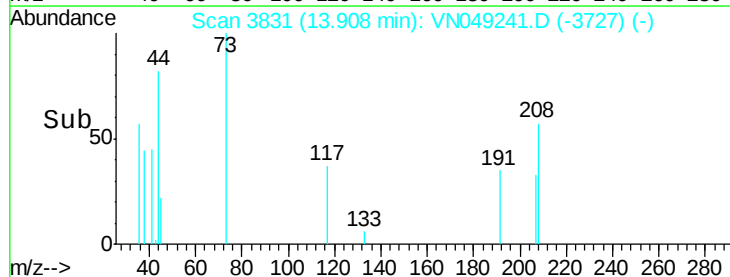
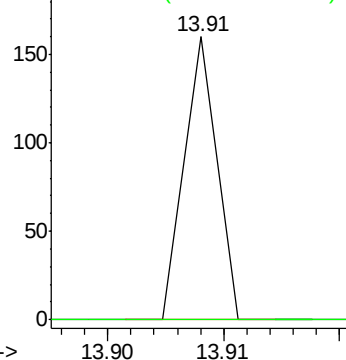
Ion Ratio Lower Upper

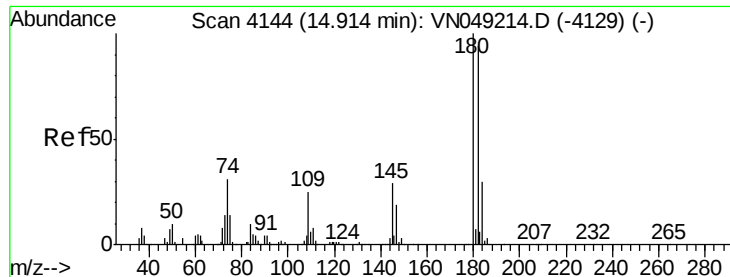
117 100

201 0.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): VN049241.D (-3806) (-)

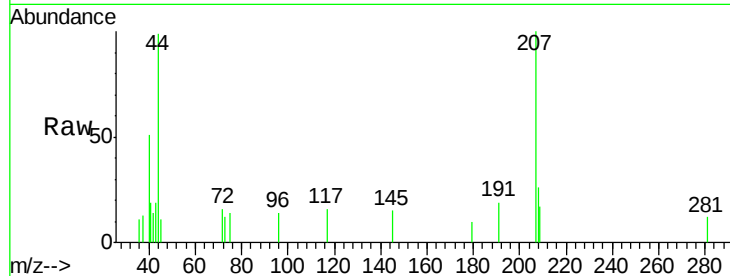




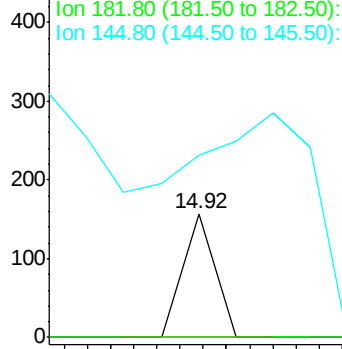
#93
 1,2,4-Trichlorobenzene
 Concen: 4.39 ug/l
 RT: 14.92 min Scan# 4145
 Delta R.T. 0.00 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Instrument :
 MSVOA_N
 ClientSampled :

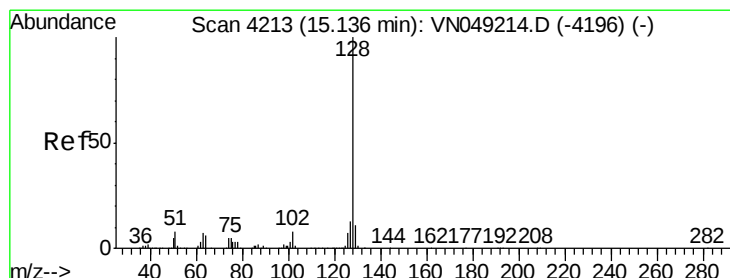
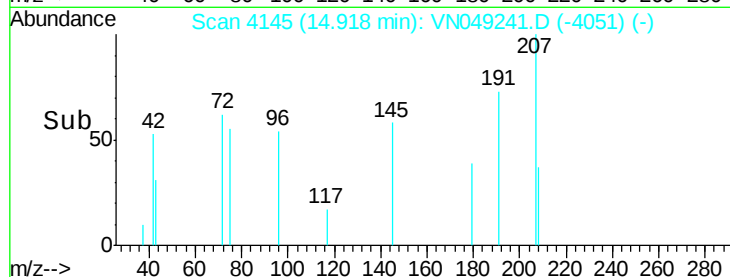
Tot Ion:180 Resp: 30
 Ion Ratio Lower Upper
 180 100
 182 0.0 46.9 140.8#
 145 650.0 14.7 44.1#



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

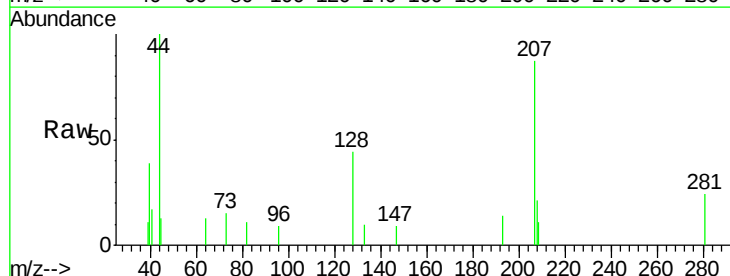


Time-->

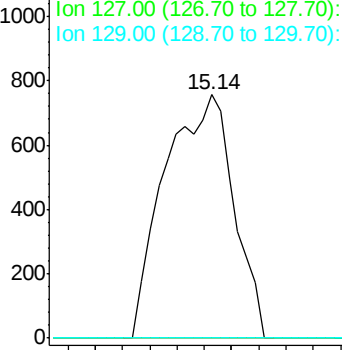


#95
 Naphthalene
 Concen: 5.55 ug/l
 RT: 15.14 min Scan# 4215
 Delta R.T. 0.01 min
 Lab File: VN049241.D
 Acq: 14 Jun 2018 21:00

Tgt Ion:128 Resp: 1324
 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



Time-->

