

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049236.D
 Acq On : 14 Jun 2018 18:51
 Operator : MD\SY
 Sample : J3435-04DL 20X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:06:07 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	600860	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1111998	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1170560	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	447113	50.00	ug/l	0.00

System Monitoring Compounds

33) 1,2-Dichloroethane-d4	8.03	65	406344	41.88	ug/l	0.00
Spiked Amount	50.000		Recovery	=	83.76%	
35) Dibromofluoromethane	7.59	113	357091	38.80	ug/l	0.00
Spiked Amount	50.000		Recovery	=	77.60%	
50) Toluene-d8	10.09	98	1404044	39.21	ug/l	0.00
Spiked Amount	50.000		Recovery	=	78.42%	
62) 4-Bromofluorobenzene	12.40	95	539505	45.40	ug/l	0.00
Spiked Amount	50.000		Recovery	=	90.80%	

Target Compounds

						Qvalue
3) Chloromethane	2.06	50	2709	0.31	ug/l	90
5) Bromomethane	2.56	94	3870	0.51	ug/l #	71
11) Tert butyl alcohol	4.79	59	445	0.84	ug/l #	70
13) Acrolein	3.56	56	848	1.18	ug/l #	1
14) Allyl chloride	4.40	41	13266	0.94	ug/l #	59
15) Acrylonitrile	5.00	53	1686	0.59	ug/l #	45
16) Acetone	3.80	43	37285	16.08	ug/l #	65
17) Carbon Disulfide	4.05	76	11235	0.44	ug/l	99
18) Methyl Acetate	4.34	43	18990	0.68	ug/l	95
20) Methylene Chloride	4.53	84	3392	0.36	ug/l #	41
25) 2-Butanone	6.84	43	5820	1.75	ug/l	93
29) Tetrahydrofuran	7.22	42	899	0.42	ug/l	93
31) Cyclohexane	7.66	56	294916	20.22	ug/l	98
36) 1,1-Dichloropropene	7.67	75	48242	3.47	ug/l #	64
38) Carbon Tetrachloride	7.67	117	59575	4.26	ug/l #	16
39) Methylcyclohexane	9.08	83	116061	8.09	ug/l	94
41) Methacrylonitrile	7.18	41	1934	0.39	ug/l #	100
43) Isopropyl Acetate	8.16	43	9956	0.62	ug/l #	64
48) Methyl methacrylate	9.27	41	10048	1.28	ug/l #	54
49) 1,4-Dioxane	9.20	88	219	2.35	ug/l #	55
51) 4-Methyl-2-Pentanone	9.98	43	2008	0.23	ug/l	91
52) Toluene	10.16	92	5852	0.24	ug/l	91
55) 1,1,2-Trichloroethane	10.54	97	8173	0.91	ug/l #	18
58) 2-Chloroethyl Vinyl ether	9.70	63	475	13.29	ug/l #	51
59) 2-Hexanone	10.76	43	8480	1.58	ug/l	76
67) Ethyl Benzene	11.51	91	1335849	25.64	ug/l	100
68) m/p-Xylenes	11.63	106	859512	45.12	ug/l	99
69) o-Xylene	11.95	106	220774	12.03	ug/l	99
70) Styrene	11.95	104	17407	0.60	ug/l #	1
73) Isopropylbenzene	12.25	105	127411	2.97	ug/l	100
74) N-amyl acetate	12.07	43	3659	0.30	ug/l #	85
75) 1,1,2,2-Tetrachloroethane	12.50	83	1314	Below	Cal #	72
76) 1,2,3-Trichloropropane	12.40	75	275884	36.64	ug/l #	100
77) Bromobenzene	12.53	156	1480	Below	Cal	77

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)

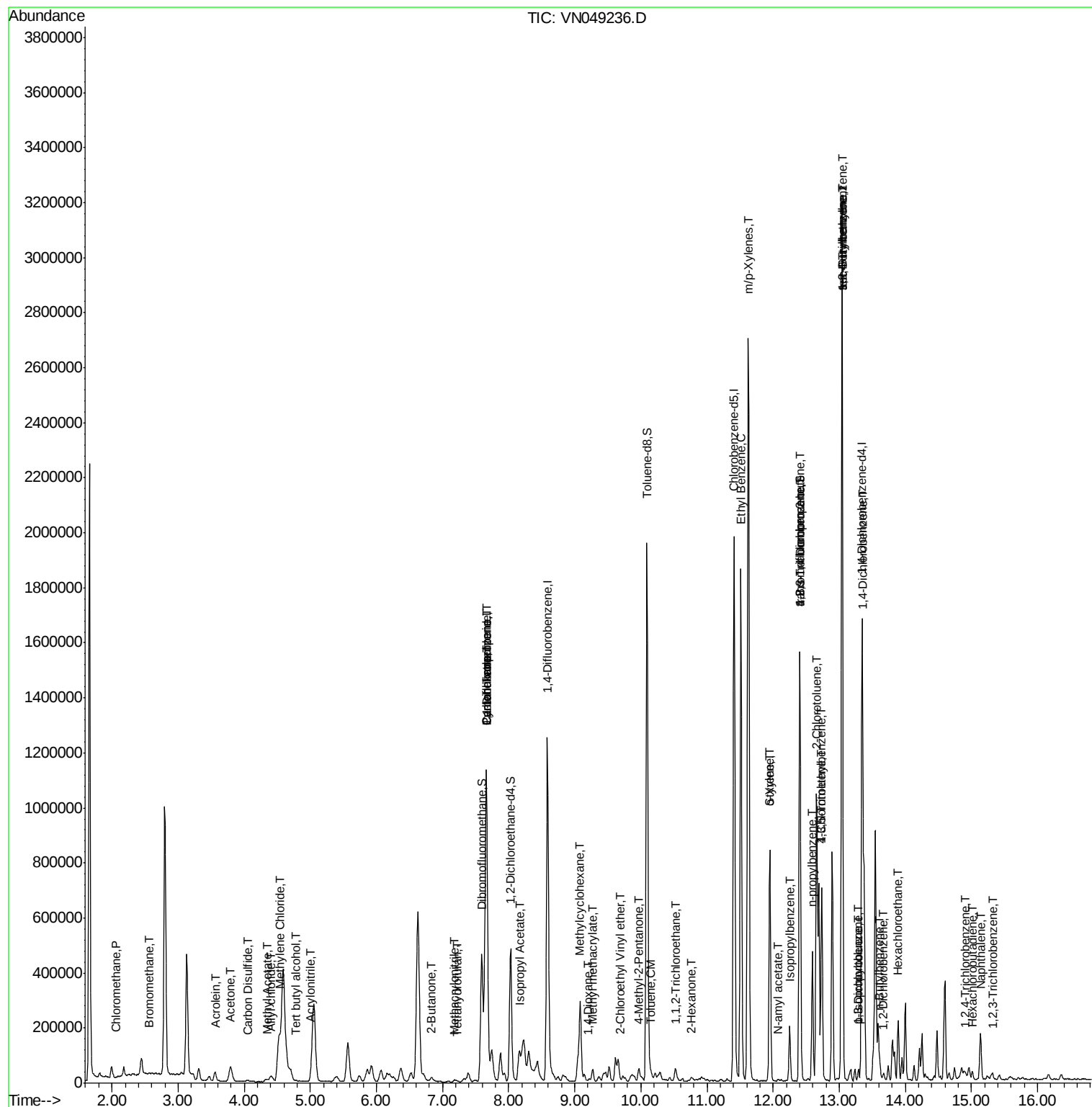
78) n-propylbenzene	12.59	91	360447	7.56	ug/l	97
79) 2-Chlorotoluene	12.66	91	79241	2.63	ug/l #	41
80) 1,3,5-Trimethylbenzene	12.73	105	376549	11.44	ug/l	96
81) trans-1,4-Dichloro-2-buten	12.40	75	275884	103.09	ug/l #	8
82) 4-Chlorotoluene	12.73	91	33031	1.16	ug/l #	42
83) tert-Butylbenzene	13.04	119	216480	7.63	ug/l #	70
84) 1,2,4-Trimethylbenzene	13.04	105	1768421	54.03	ug/l	100
85) sec-Butylbenzene	13.04	105	1768421	46.76	ug/l #	57
86) p-Isopropyltoluene	13.29	119	15266	0.50	ug/l #	75
87) 1,3-Dichlorobenzene	13.28	146	4706	0.28	ug/l	87
88) 1,4-Dichlorobenzene	13.36	146	5864	0.35	ug/l #	13
89) n-Butylbenzene	13.62	91	30626	2.66	ug/l #	76
90) Hexachloroethane	13.89	117	12321	0.27	ug/l #	16
91) 1,2-Dichlorobenzene	13.66	146	4246	0.26	ug/l	86
93) 1,2,4-Trichlorobenzene	14.91	180	6380	5.20	ug/l #	82
94) Hexachlorobutadiene	15.01	225	5279	1.06	ug/l	96
95) Naphthalene	15.14	128	139581	13.43	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	6963	1.07	ug/l	95

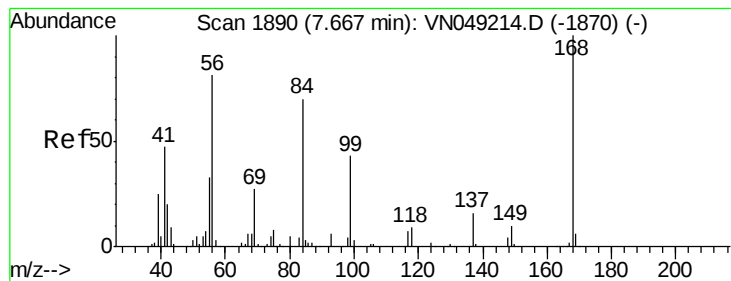
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

Pentafluorobenzene

Concen: 50.00 ug/l

RT: 7.67 min Scan# 1890

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

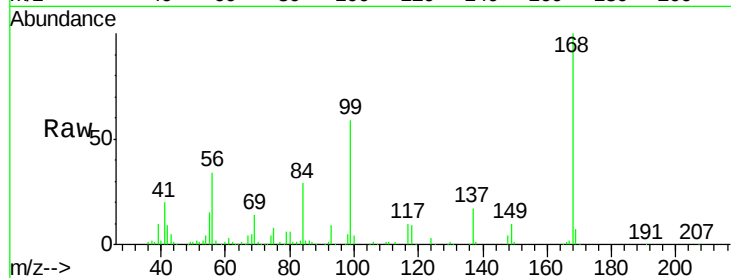
ClientSampled :

Tot Ion:168 Resp: 600860

Ion Ratio Lower Upper

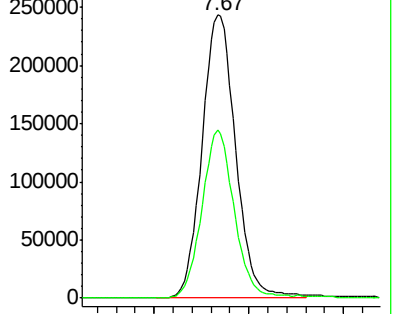
168 100

99 59.4 45.8 68.6

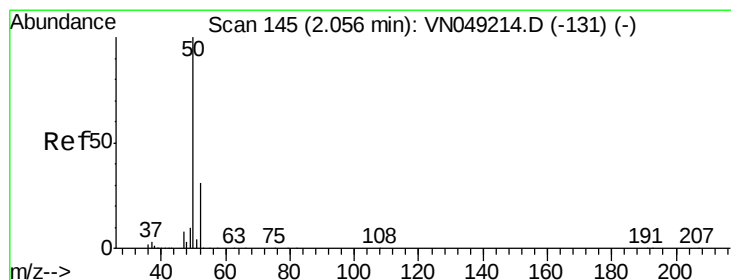
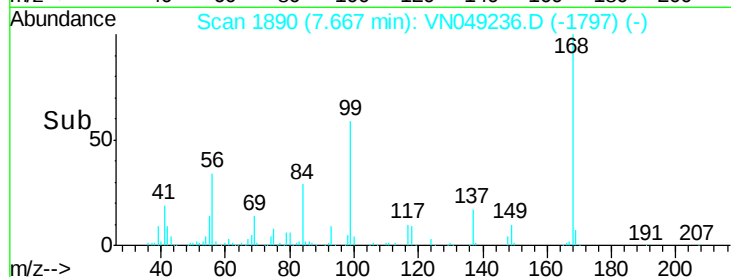


Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VN0



Time-->



#3

Chloromethane

Concen: 0.31 ug/l

RT: 2.06 min Scan# 145

Delta R.T. 0.00 min

Lab File: VN049236.D

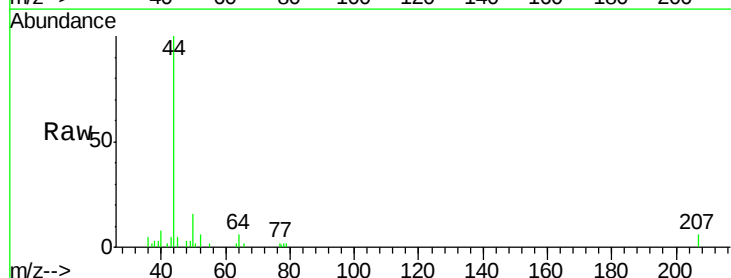
Acq: 14 Jun 2018 18:51

Tgt Ion: 50 Resp: 2709

Ion Ratio Lower Upper

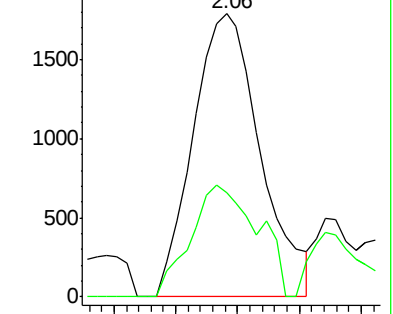
50 100

52 36.8 25.2 37.8

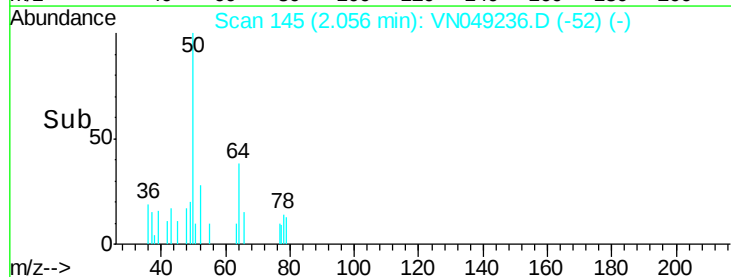


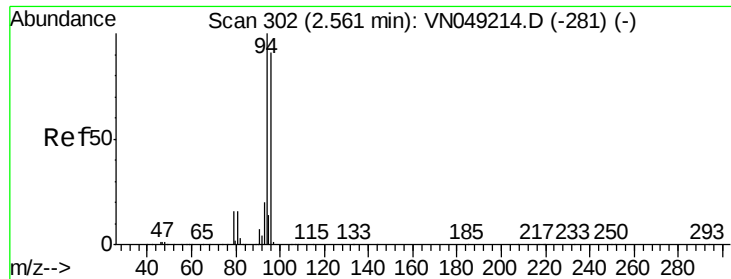
Abundance Ion 49.90 (49.60 to 50.60): VN0

Ion 51.90 (51.60 to 52.60): VN0



Time-->





#5

Bromomethane

Concen: 0.51 ug/l

RT: 2.56 min Scan# 303

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

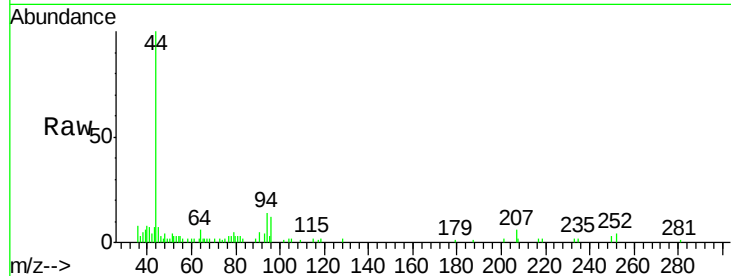
ClientSampled :

Tot Ion: 94 Resp: 3870

Ion Ratio Lower Upper

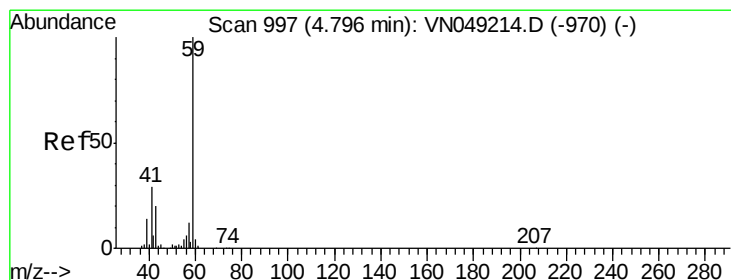
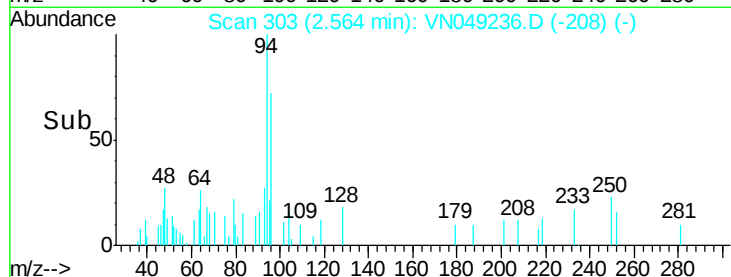
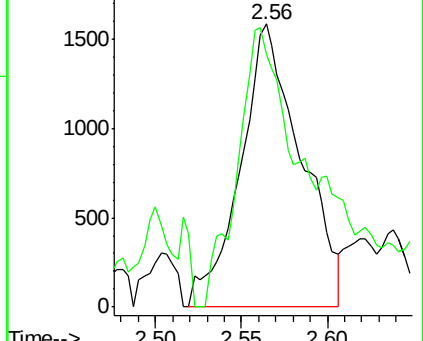
94 100

96 63.5 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: 0.84 ug/l

RT: 4.79 min Scan# 994

Delta R.T. -0.01 min

Lab File: VN049236.D

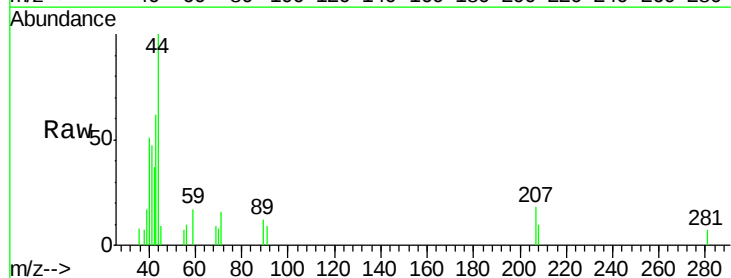
Acq: 14 Jun 2018 18:51

Tgt Ion: 59 Resp: 445

Ion Ratio Lower Upper

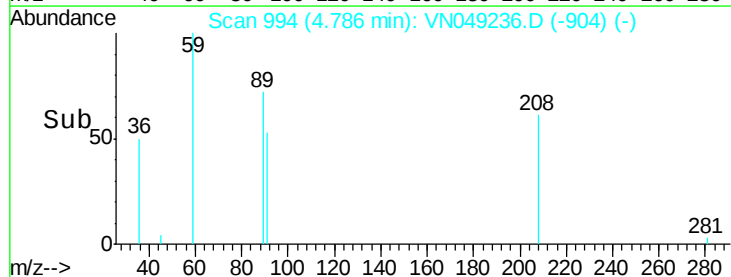
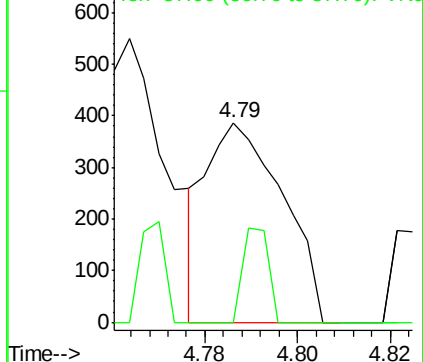
59 100

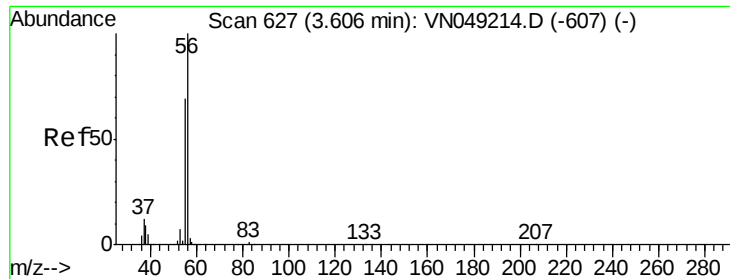
57 0.0 9.0 13.6#



Abundance Ion 59.00 (58.70 to 59.70): VN0

Ion 57.00 (56.70 to 57.70): VN0





#13

Acrolein

Concen: 1.18 ug/l

RT: 3.56 min Scan# 614

Delta R.T. -0.04 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

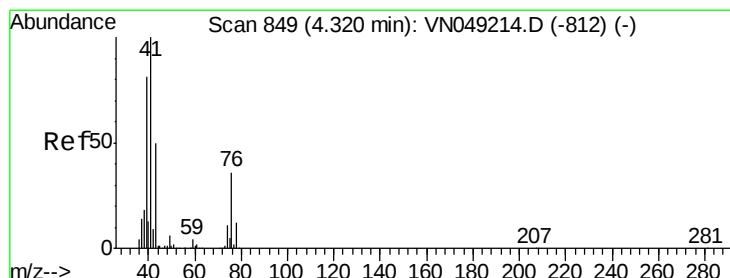
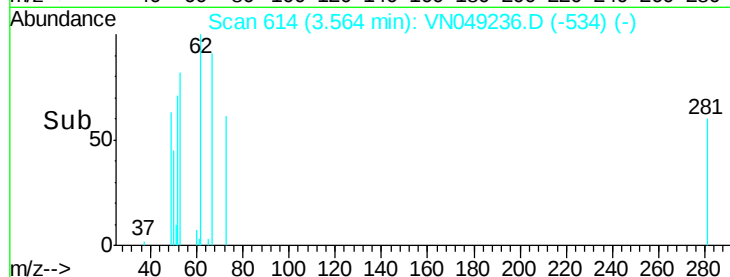
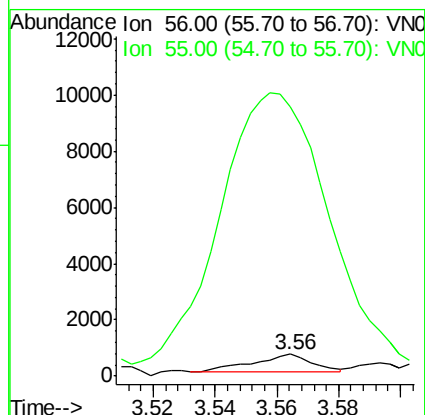
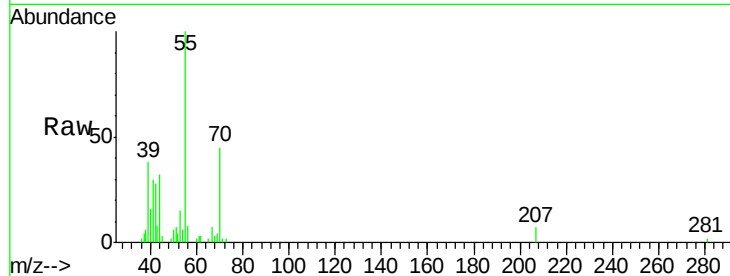
ClientSampled :

Tot Ion: 56 Resp: 848

Ion Ratio Lower Upper

56 100

55 2849.3 57.1 85.7#



#14

Allyl chloride

Concen: 0.94 ug/l

RT: 4.40 min Scan# 875

Delta R.T. 0.08 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

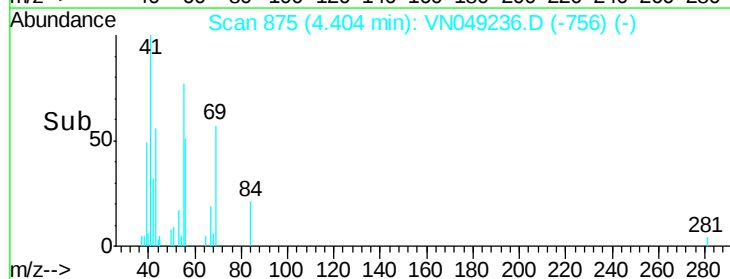
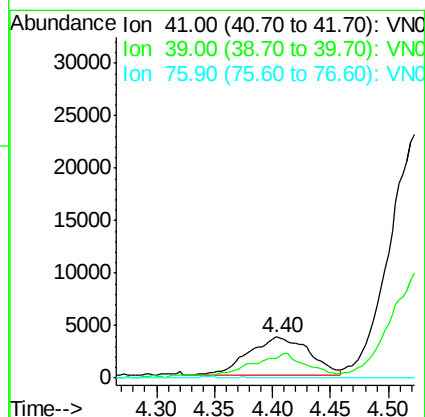
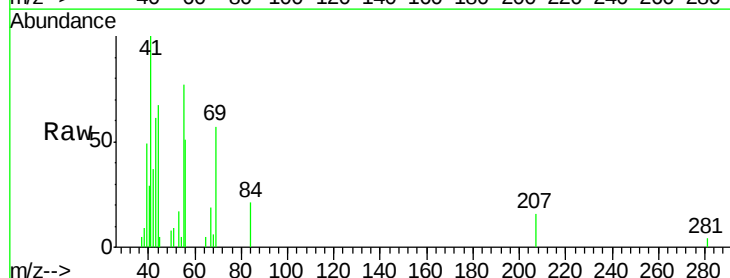
Tgt Ion: 41 Resp: 13266

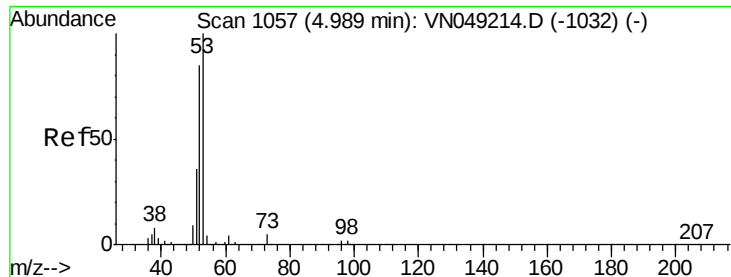
Ion Ratio Lower Upper

41 100

39 49.0 62.5 93.7#

76 0.0 27.1 40.7#





#15

Acrylonitrile

Concen: 0.59 ug/l

RT: 5.00 min Scan# 1060

Delta R.T. 0.01 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampled :

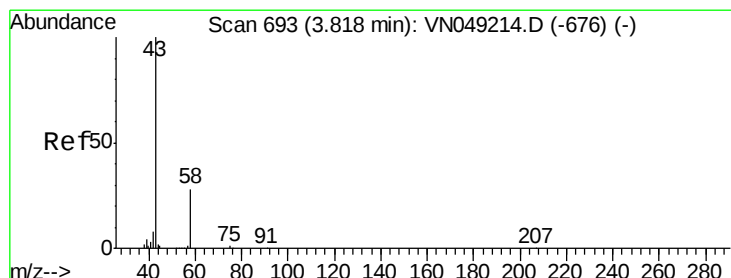
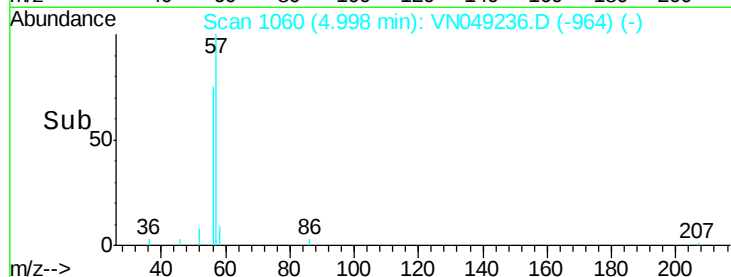
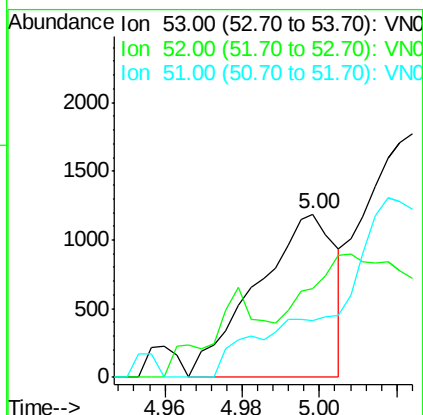
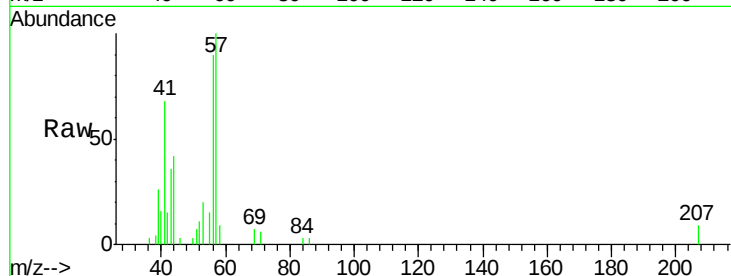
Tot Ion: 53 Resp: 1686

Ion Ratio Lower Upper

53 100

52 102.4 66.6 100.0#

51 114.8 29.8 44.8#



#16

Acetone

Concen: 16.08 ug/l

RT: 3.80 min Scan# 686

Delta R.T. -0.02 min

Lab File: VN049236.D

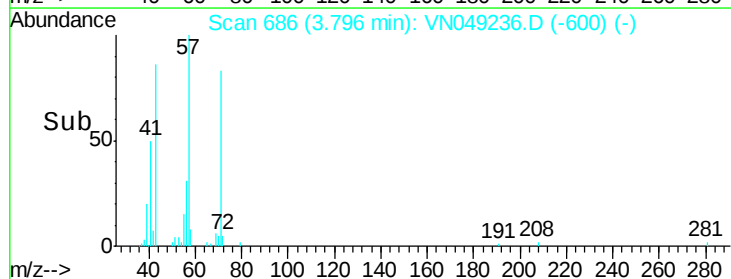
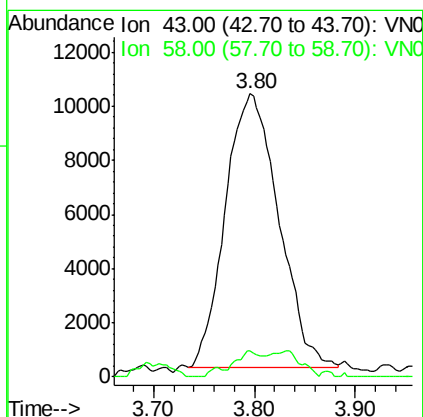
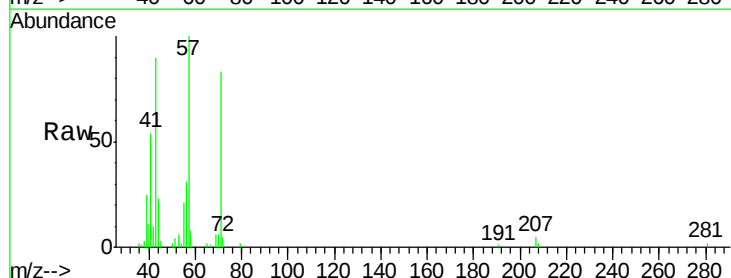
Acq: 14 Jun 2018 18:51

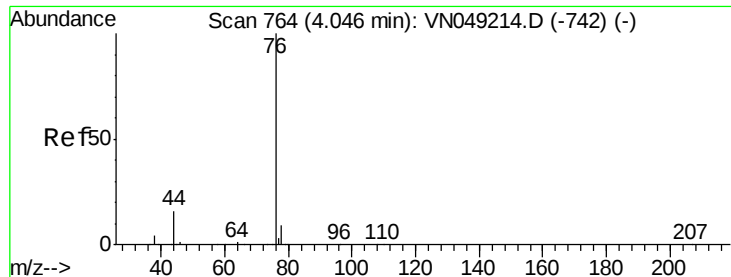
Tgt Ion: 43 Resp: 37285

Ion Ratio Lower Upper

43 100

58 9.5 22.4 33.6#





#17

Carbon Disulfide

Concen: 0.44 ug/l

RT: 4.05 min Scan# 764

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

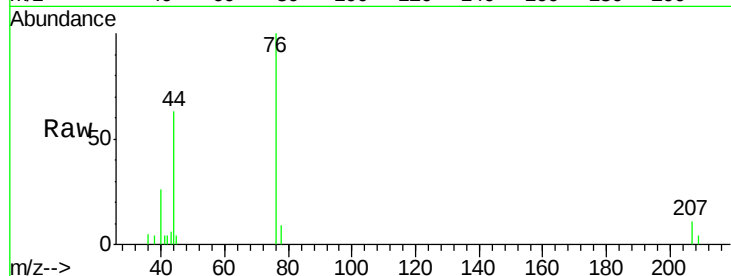
ClientSampled :

Tot Ion: 76 Resp: 11235

Ion Ratio Lower Upper

76 100

78 9.4 7.4 11.0

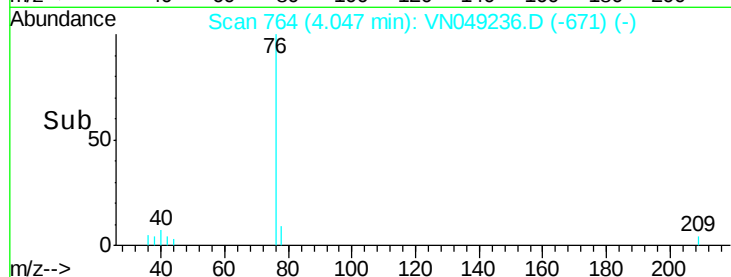


Abundance Ion 75.90 (75.60 to 76.60): VN049214.D (-742) (-)

Ion 77.90 (77.60 to 78.60): VN049214.D (-742) (-)

4.05

Time-->

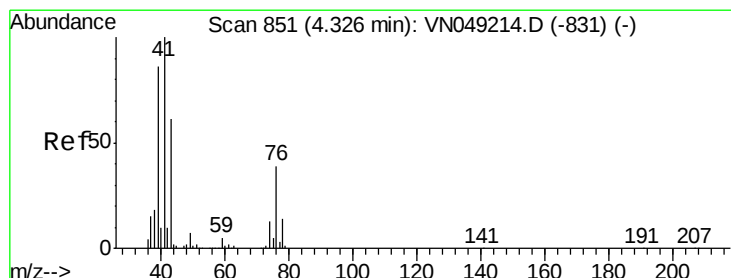


Abundance Ion 75.90 (75.60 to 76.60): VN049236.D (-671) (-)

Ion 77.90 (77.60 to 78.60): VN049236.D (-671) (-)

4.05

Time-->



#18

Methyl Acetate

Concen: 0.68 ug/l

RT: 4.34 min Scan# 855

Delta R.T. 0.01 min

Lab File: VN049236.D

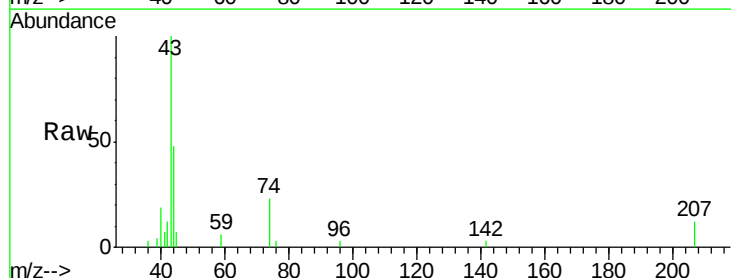
Acq: 14 Jun 2018 18:51

Tgt Ion: 43 Resp: 18990

Ion Ratio Lower Upper

43 100

74 23.9 17.4 26.0

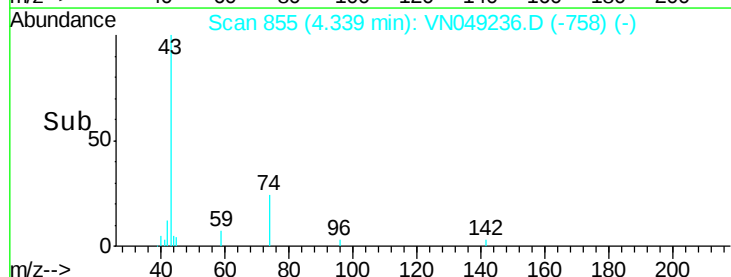


Abundance Ion 43.00 (42.70 to 43.70): VN049214.D (-831) (-)

Ion 74.00 (73.70 to 74.70): VN049214.D (-831) (-)

4.34

Time-->

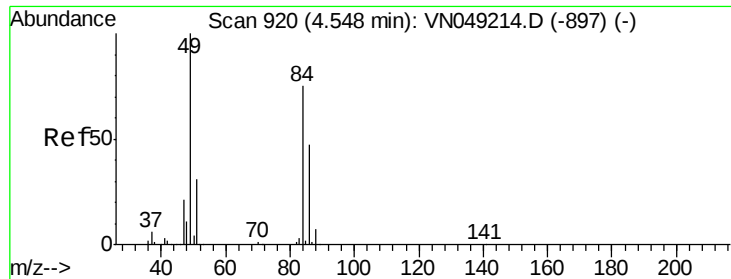


Abundance Ion 43.00 (42.70 to 43.70): VN049236.D (-758) (-)

Ion 74.00 (73.70 to 74.70): VN049236.D (-758) (-)

4.34

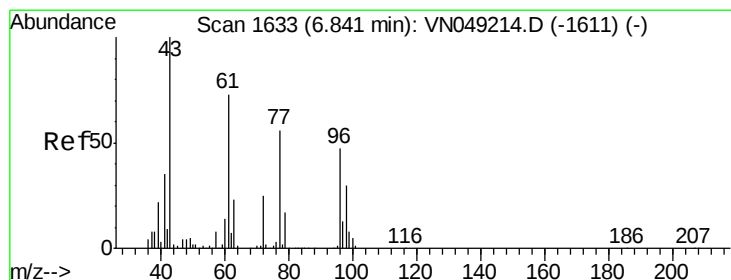
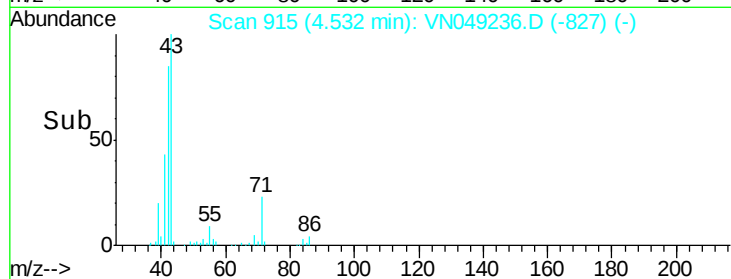
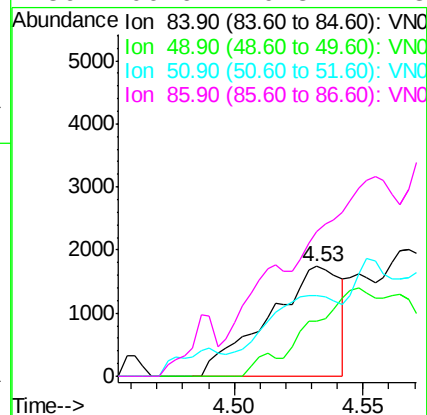
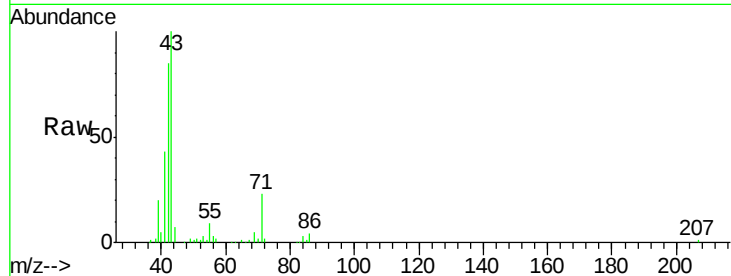
Time-->



#20
Methylene Chloride
Concen: 0.36 ug/l
RT: 4.53 min Scan# 915
Delta R.T. -0.02 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

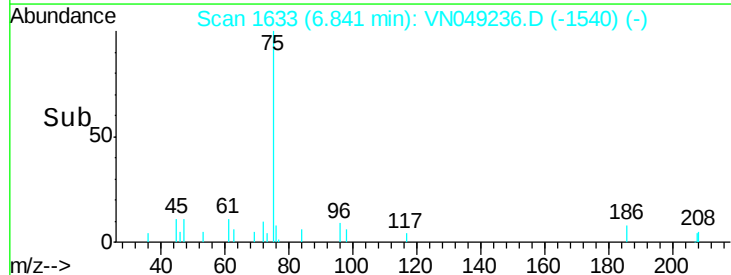
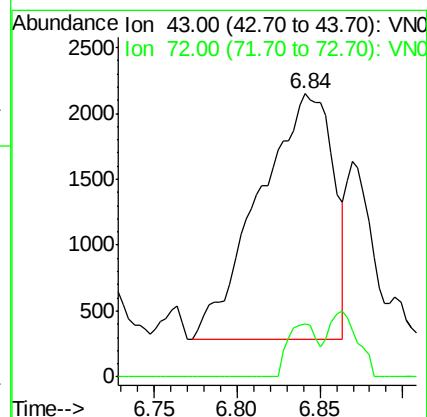
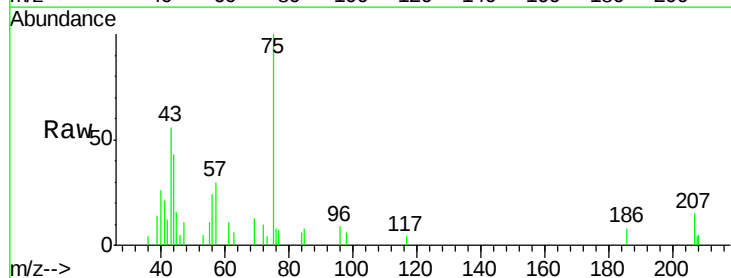
Instrument :
MSVOA_N
ClientSampled :

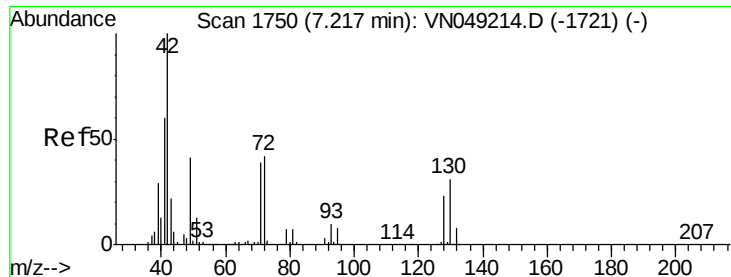
Tot Ion: 84 Resp: 3392
Ion Ratio Lower Upper
84 100
49 50.3 106.9 160.3#
51 56.1 32.7 49.1#
86 106.6 49.8 74.8#



#25
2-Butanone
Concen: 1.75 ug/l
RT: 6.84 min Scan# 1633
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 43 Resp: 5820
Ion Ratio Lower Upper
43 100
72 21.5 20.2 30.2

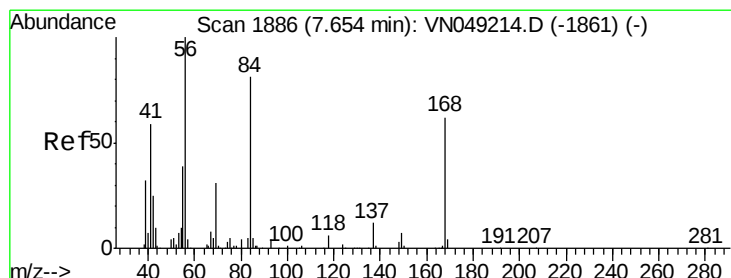
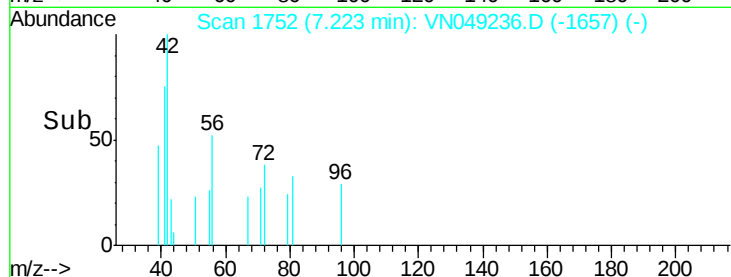
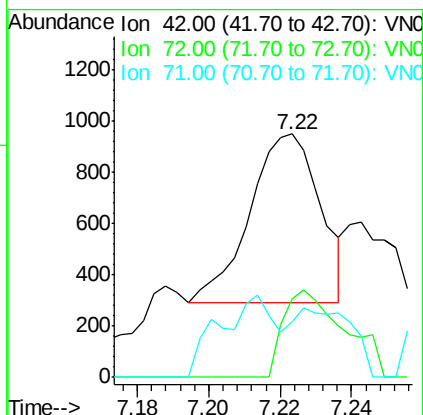
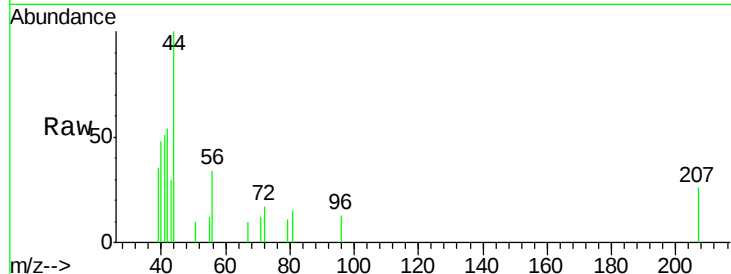




#29
Tetrahydrofuran
Concen: 0.42 ug/l
RT: 7.22 min Scan# 1752
Delta R.T. 0.01 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

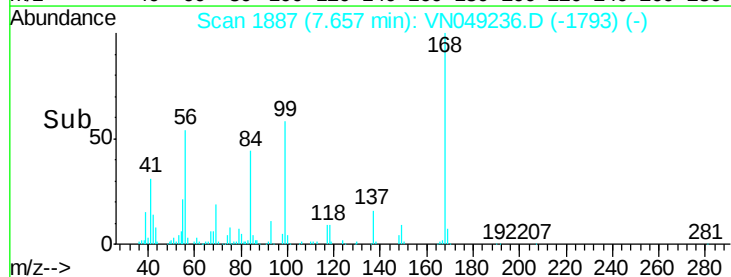
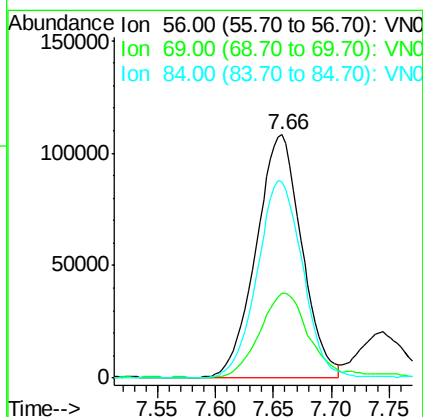
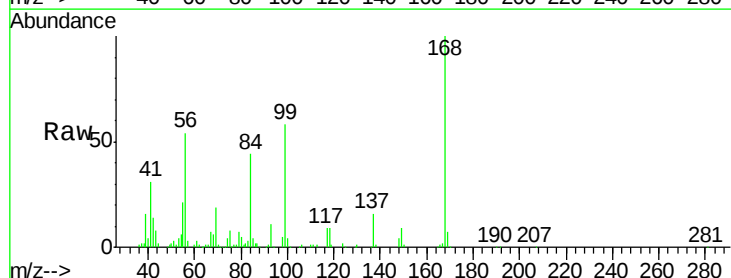
Instrument :
MSVOA_N
ClientSampleId :

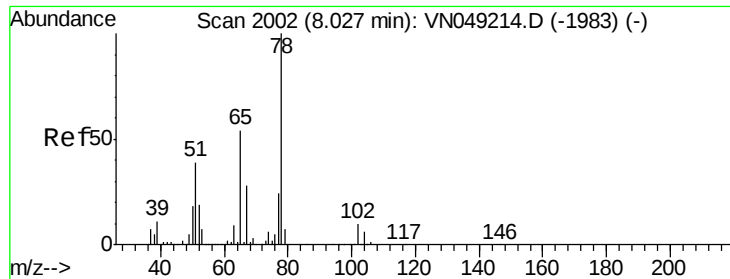
Tot Ion: 42 Resp: 899
Ion Ratio Lower Upper
42 100
72 45.1 32.2 48.4
71 34.8 30.5 45.7



#31
Cyclohexane
Concen: 20.22 ug/l
RT: 7.66 min Scan# 1887
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 56 Resp: 294916
Ion Ratio Lower Upper
56 100
69 34.3 25.0 37.4
84 81.0 64.6 96.8





#33

1,2-Dichloroethane-d4

Concen: 41.88 ug/l

RT: 8.03 min Scan# 2003

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

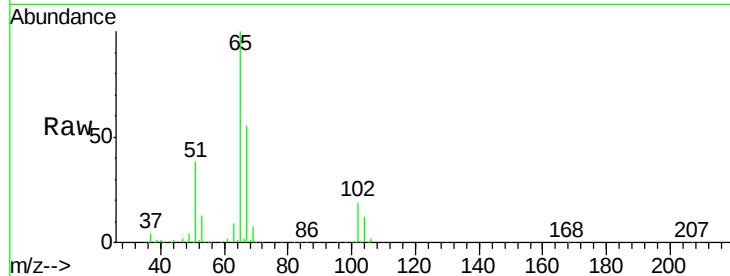
ClientSampled :

Tot Ion: 65 Resp: 406344

Ion Ratio Lower Upper

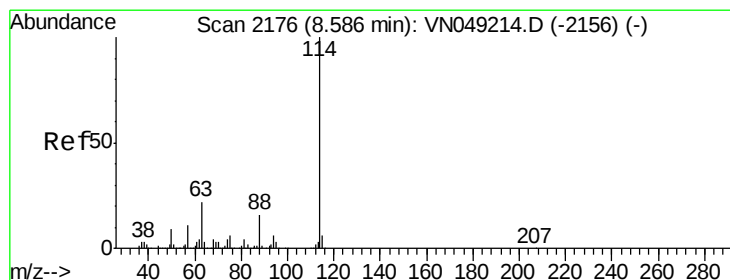
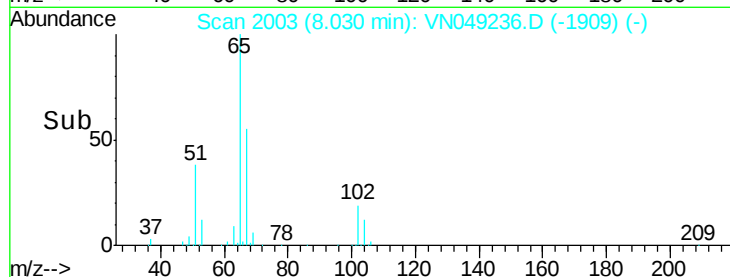
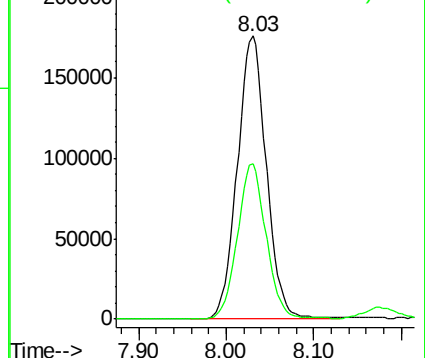
65 100

67 53.5 0.0 103.8



Abundance Ion 64.90 (64.60 to 65.60): VN049236.D (-1909) (-)

Ion 66.90 (66.60 to 67.60): VN049236.D (-1909) (-)



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2177

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

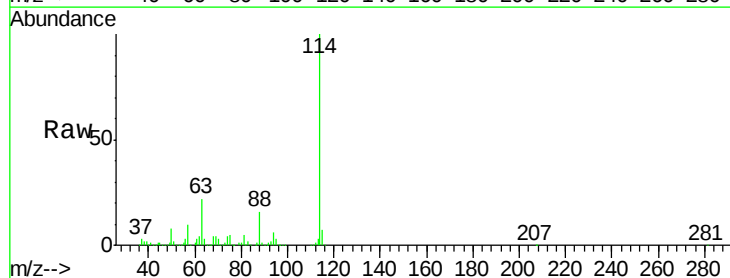
Tgt Ion: 114 Resp: 1111998

Ion Ratio Lower Upper

114 100

63 22.2 0.0 44.4

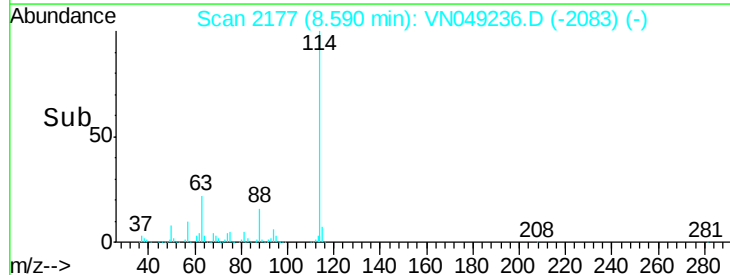
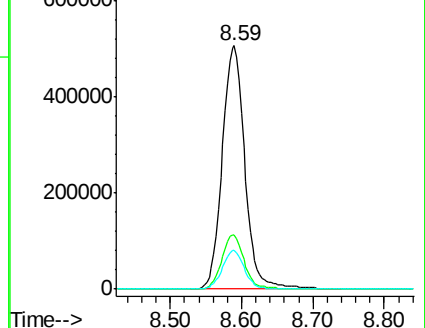
88 15.8 0.0 31.4

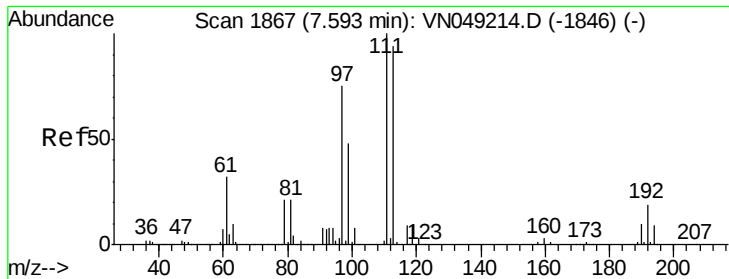


Abundance Ion 113.90 (113.60 to 114.60): VN049236.D (-2083) (-)

Ion 63.00 (62.70 to 63.70): VN049236.D (-2083) (-)

Ion 87.90 (87.60 to 88.60): VN049236.D (-2083) (-)

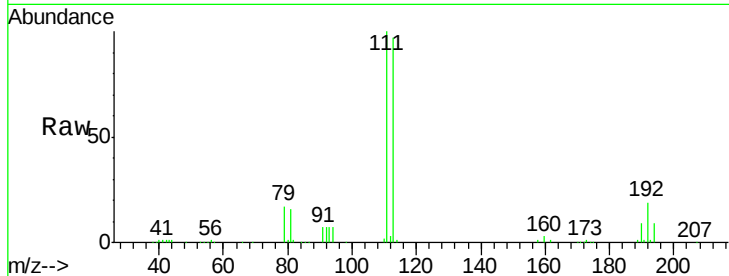




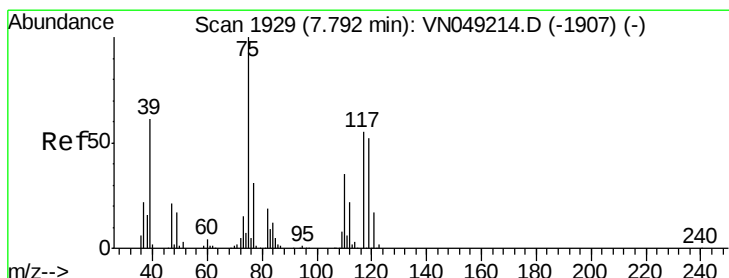
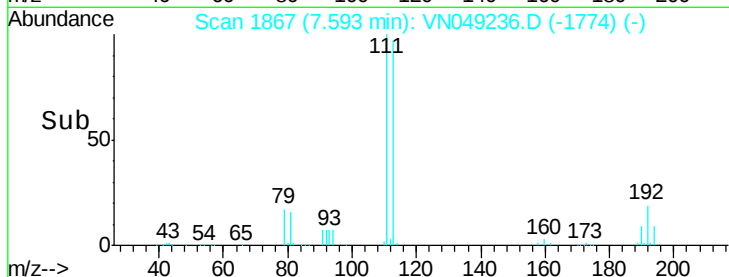
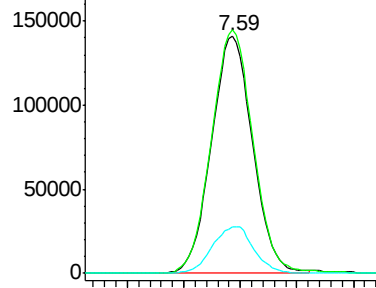
#35
 Dibromofluoromethane
 Concen: 38.80 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
113	100		
111	104.0	82.4	123.6
192	19.9	15.0	22.6

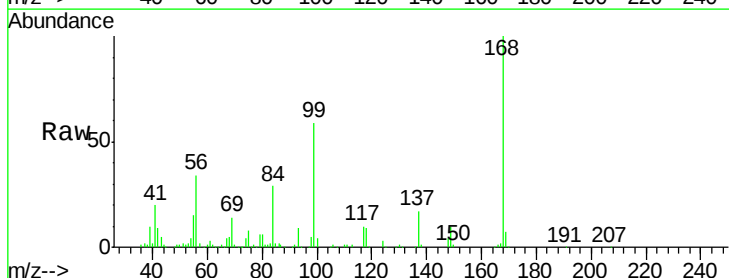


Abundance Ion 112.80 (112.50 to 113.50): V
 Ion 110.80 (110.50 to 111.50): V
 Ion 191.70 (191.40 to 192.40): V

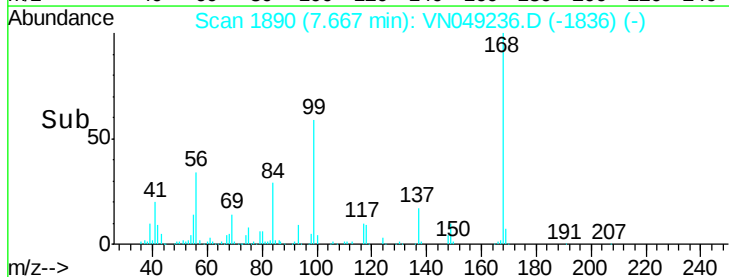
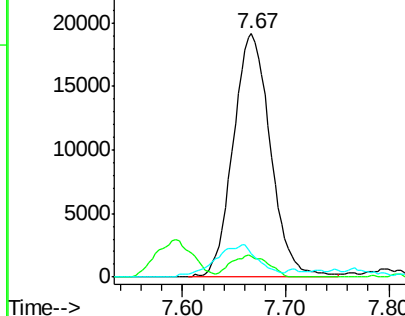


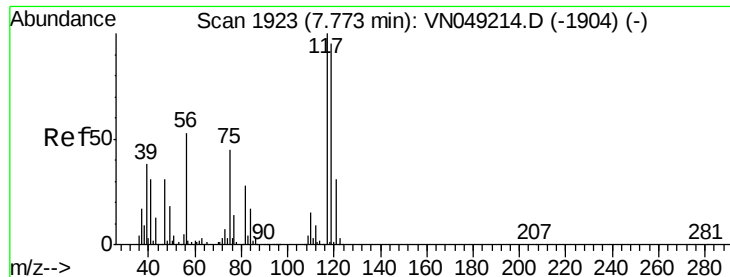
#36
 1,1-Dichloropropene
 Concen: 3.47 ug/l
 RT: 7.67 min Scan# 1890
 Delta R.T. -0.13 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Tgt Ion	Ratio	Lower	Upper
75	100		
110	8.9	17.0	50.9#
77	15.4	24.4	36.6#



Abundance Ion 74.90 (74.60 to 75.60): VNO
 Ion 109.90 (109.60 to 110.60): V
 Ion 76.90 (76.60 to 77.60): VNO

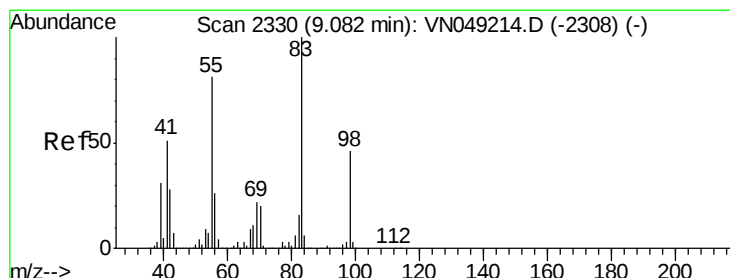
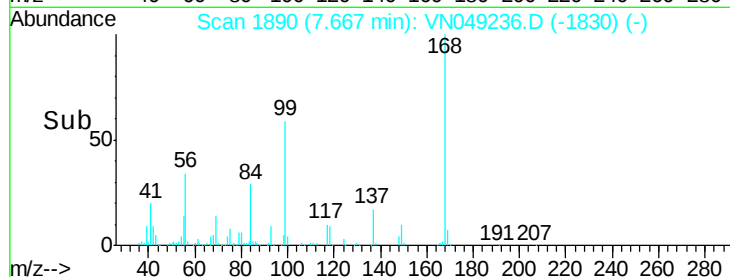
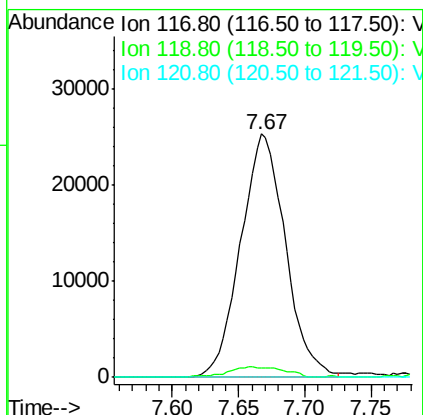
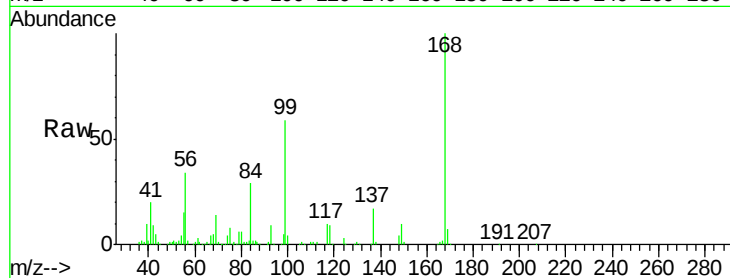




#38
Carbon Tetrachloride
Concen: 4.26 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

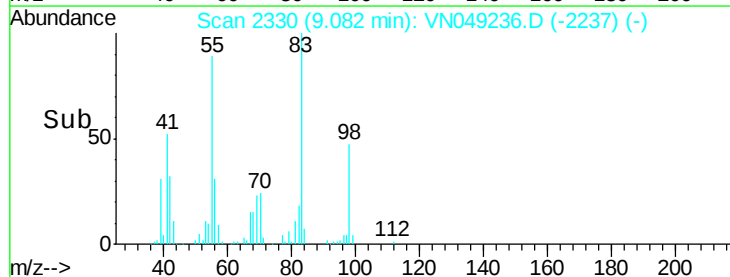
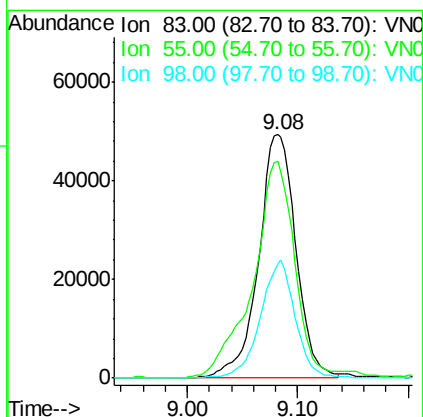
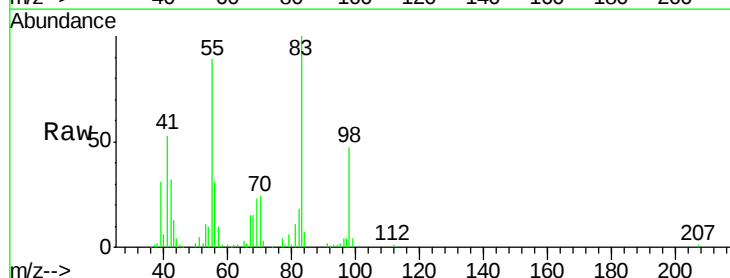
Instrument :
MSVOA_N
ClientSampled :

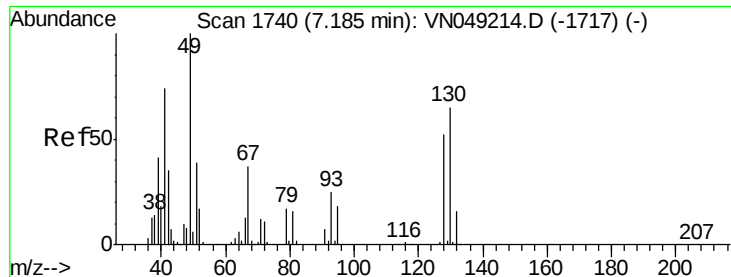
Tot Ion:117 Resp: 59575
Ion Ratio Lower Upper
117 100
119 3.9 75.6 113.4#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 8.09 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 83 Resp: 116061
Ion Ratio Lower Upper
83 100
55 88.1 65.1 97.7
98 47.1 36.5 54.7

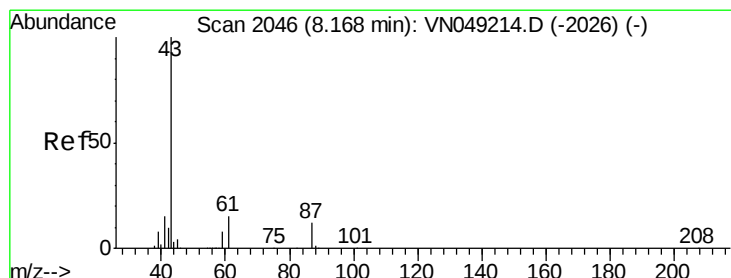
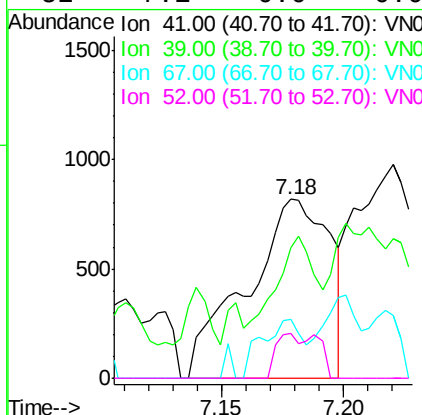
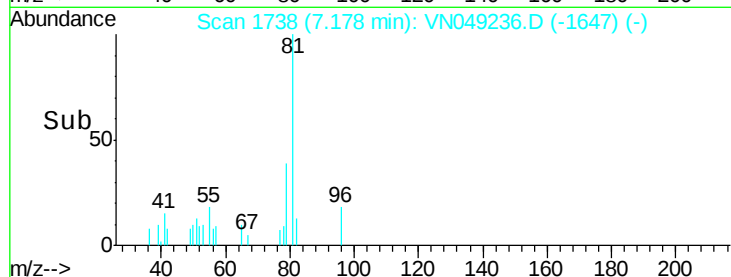
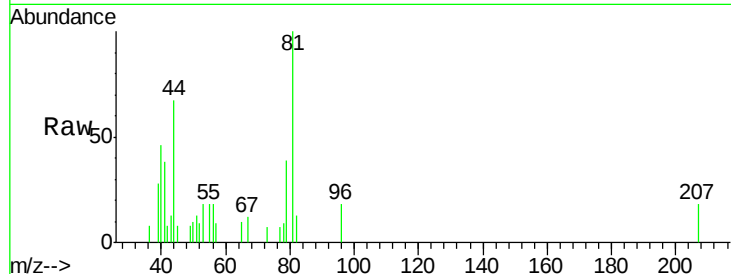




#41
Methacrylonitrile
Concen: 0.39 ug/l
RT: 7.18 min Scan# 1738
Delta R.T. -0.01 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

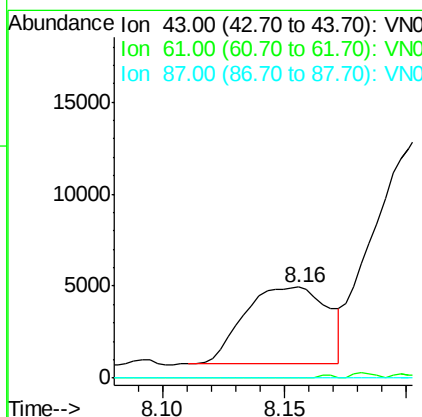
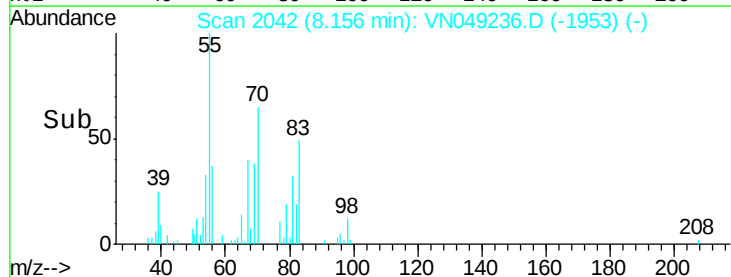
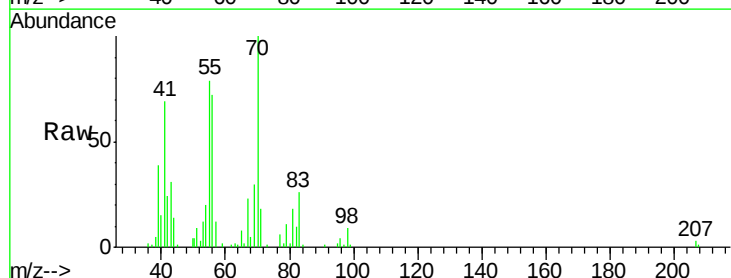
Instrument :
MSVOA_N
ClientSampled :

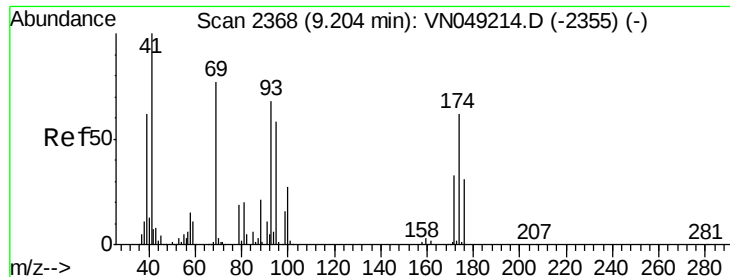
Tot Ion: 41 Resp: 1934
Ion Ratio Lower Upper
41 100
39 26.2 0.0 0.0#
67 0.0 0.0 0.0
52 7.1 0.0 0.0#



#43
Isopropyl Acetate
Concen: 0.62 ug/l
RT: 8.16 min Scan# 2042
Delta R.T. -0.01 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 43 Resp: 9956
Ion Ratio Lower Upper
43 100
61 0.0 14.2 21.4#
87 0.0 9.4 14.0#

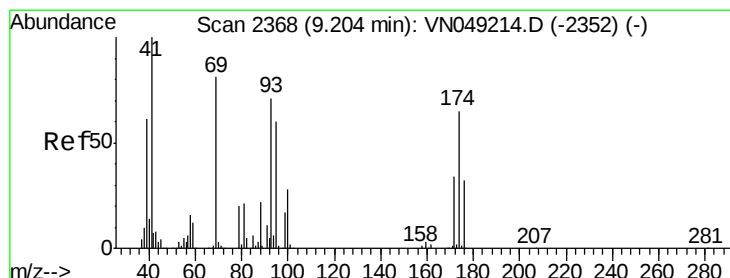
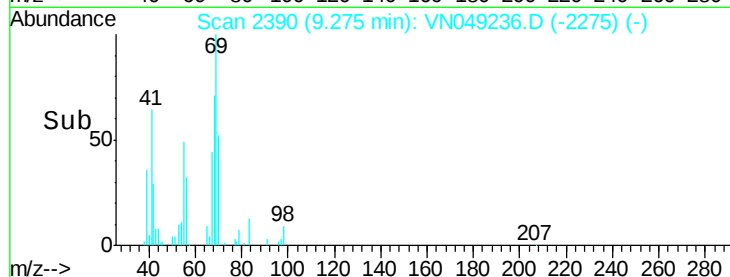
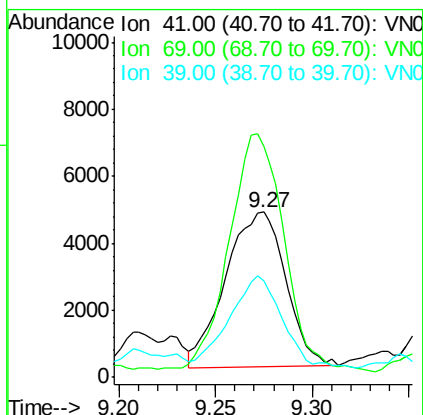
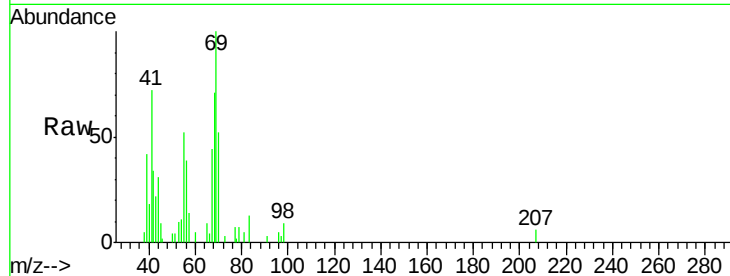




#48
Methvl methacrylate
Concen: 1.28 ug/l
RT: 9.27 min Scan# 2390
Delta R.T. 0.07 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

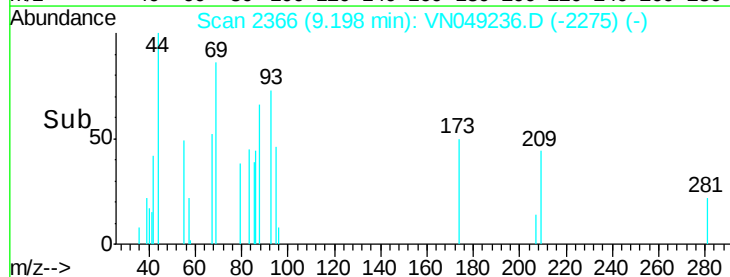
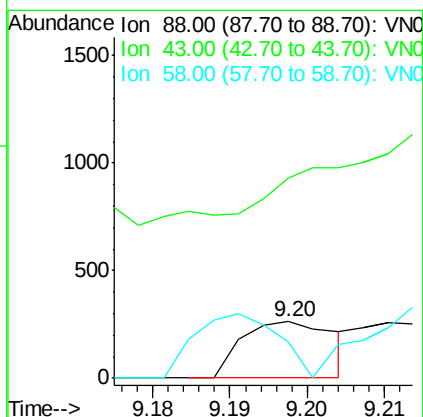
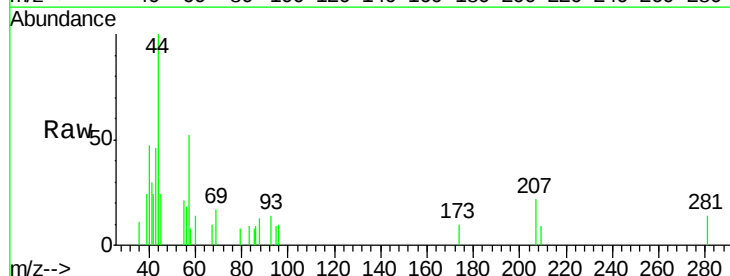
Instrument :
MSVOA_N
ClientSampled :

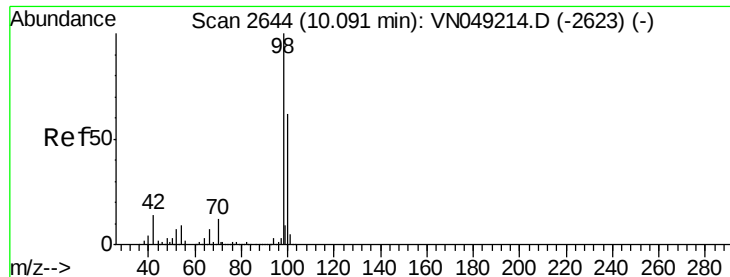
Tot Ion: 41 Resp: 10048
Ion Ratio Lower Upper
41 100
69 139.9 62.0 93.0#
39 52.8 50.6 75.8



#49
1,4-Dioxane
Concen: 2.35 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.01 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 88 Resp: 219
Ion Ratio Lower Upper
88 100
43 0.0 30.9 46.3#
58 102.7 58.9 88.3#





#50

Toluene-d8

Concen: 39.21 ug/l

RT: 10.09 min Scan# 2644

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

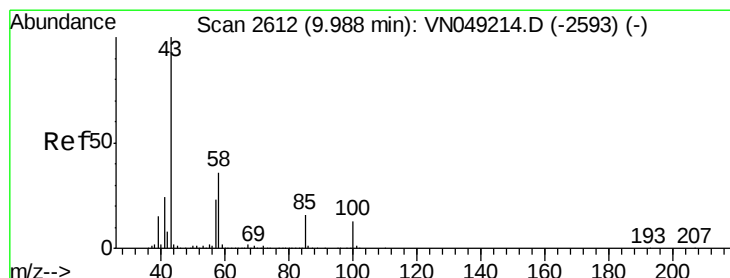
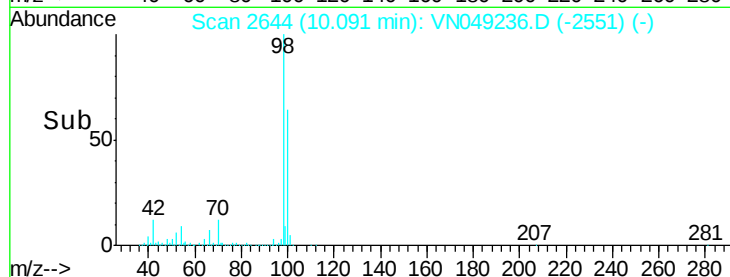
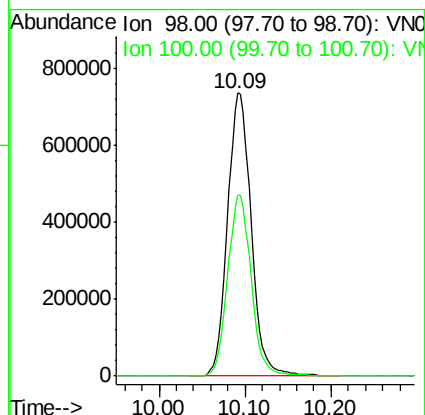
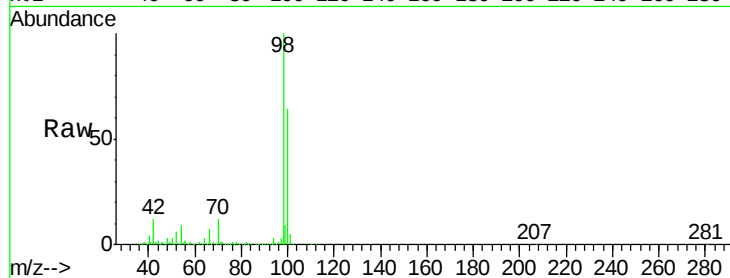
ClientSampleId :

Tot Ion: 98 Resp: 1404044

Ion Ratio Lower Upper

98 100

100 63.7 49.8 74.8



#51

4-Methyl-2-Pentanone

Concen: 0.23 ug/l

RT: 9.98 min Scan# 2609

Delta R.T. -0.01 min

Lab File: VN049236.D

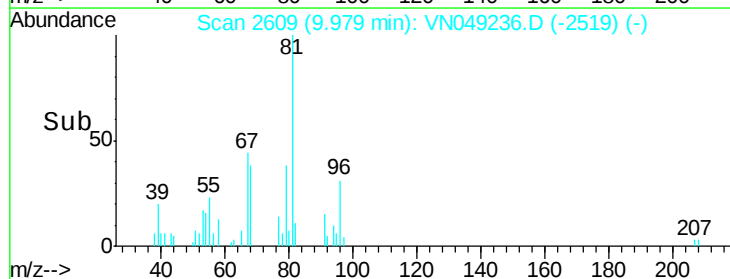
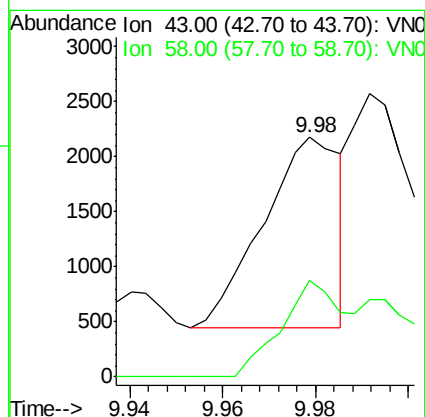
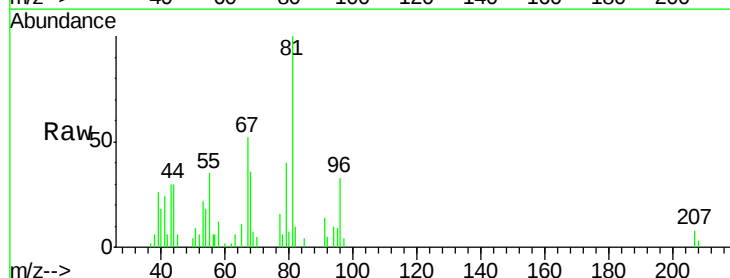
Acq: 14 Jun 2018 18:51

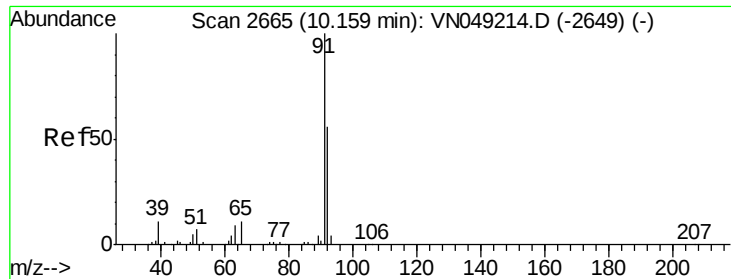
Tgt Ion: 43 Resp: 2008

Ion Ratio Lower Upper

43 100

58 41.9 29.0 43.6





#52

Toluene

Concen: 0.24 ug/l

RT: 10.16 min Scan# 2664

Delta R.T. -0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

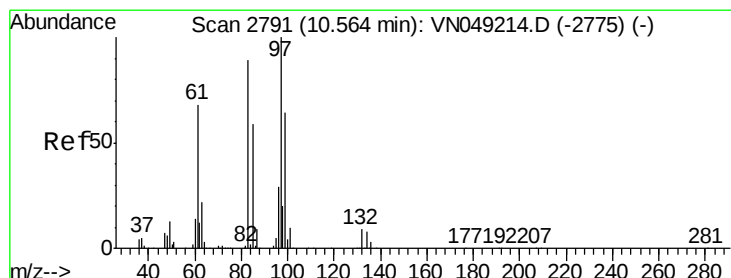
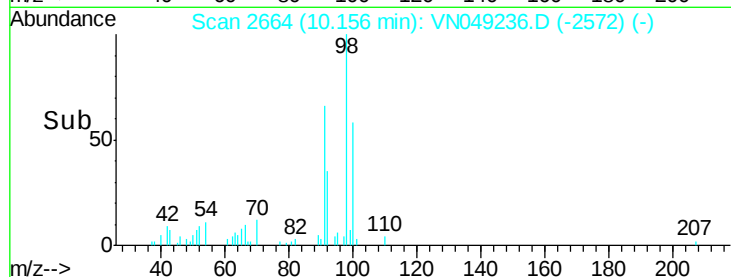
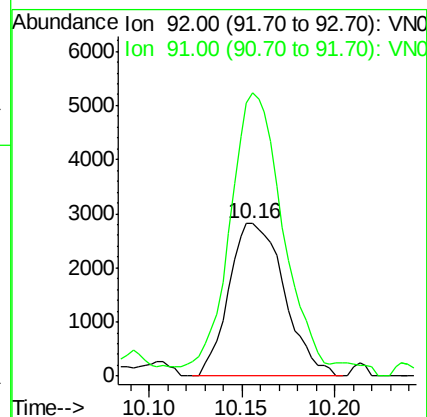
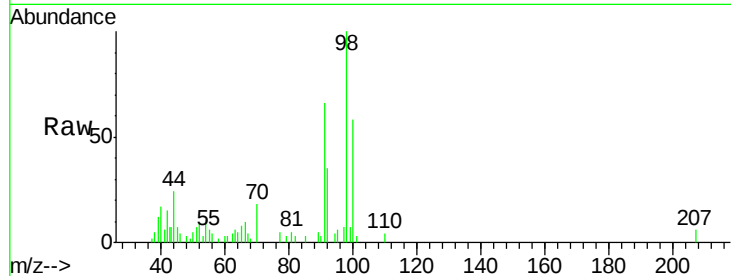
ClientSampled :

Tot Ion: 92 Resp: 5852

Ion Ratio Lower Upper

92 100

91 165.9 143.4 215.2



#55

1,1,2-Trichloroethane

Concen: 0.91 ug/l

RT: 10.54 min Scan# 2782

Delta R.T. -0.03 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Tgt Ion: 97 Resp: 8173

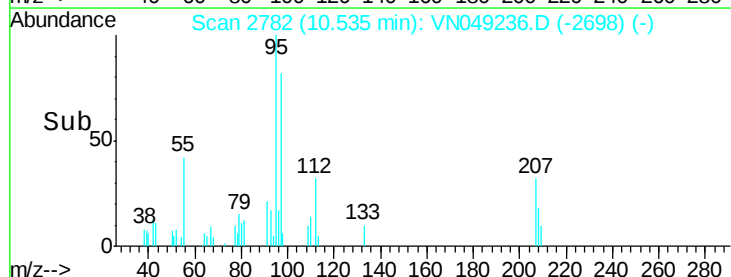
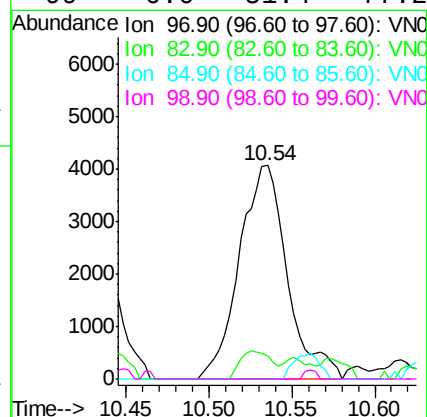
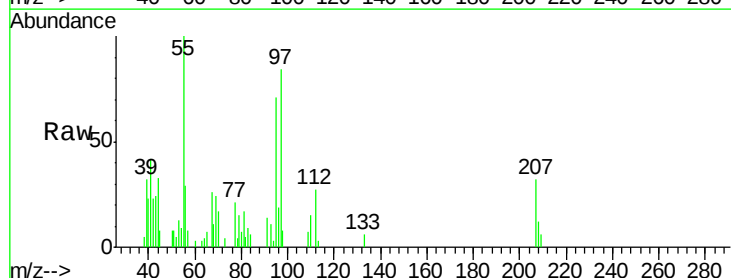
Ion Ratio Lower Upper

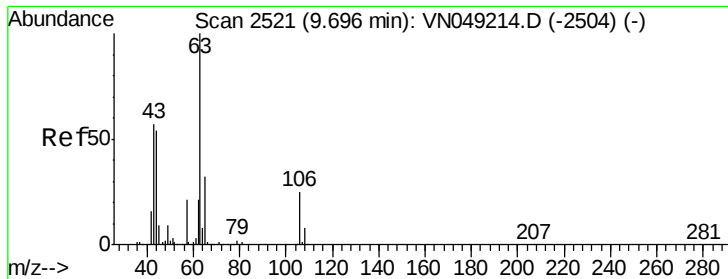
97 100

83 10.9 71.5 107.3#

85 0.0 47.0 70.4#

99 0.0 51.4 77.2#





#58

2-Chloroethyl Vinyl ether

Concen: 13.29 ug/l

RT: 9.70 min Scan# 2522

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

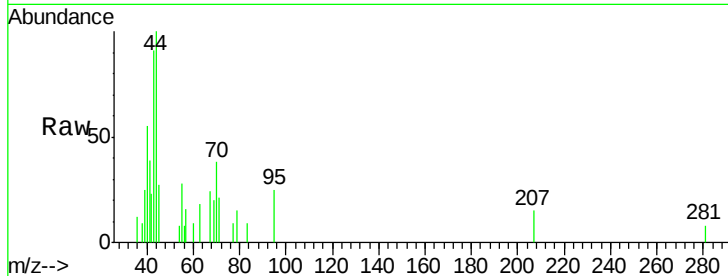
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion: 63 Resp: 475

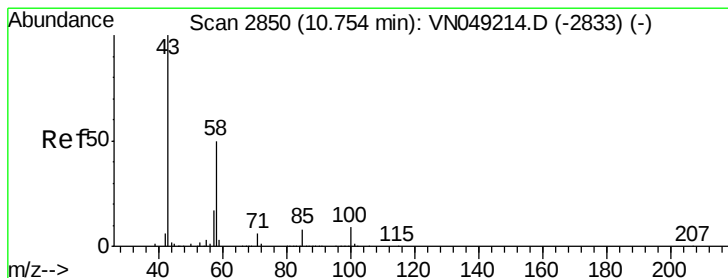
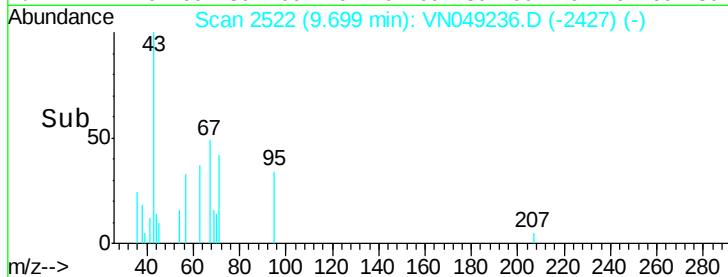
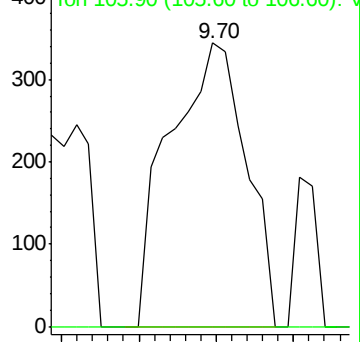
Ion Ratio Lower Upper

63 100

106 0.0 19.4 29.2#



Abundance Ion 62.90 (62.60 to 63.60): VN049214.D (-2504) (-)



#59

2-Hexanone

Concen: 1.58 ug/l

RT: 10.76 min Scan# 2851

Delta R.T. 0.00 min

Lab File: VN049236.D

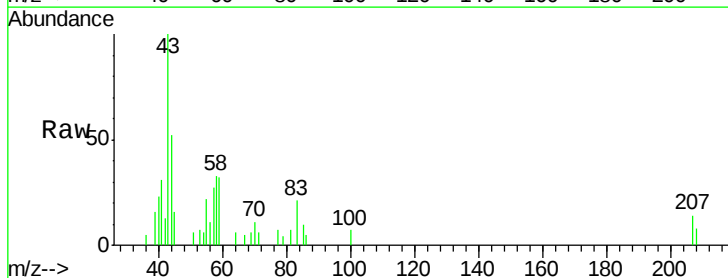
Acq: 14 Jun 2018 18:51

Tgt Ion: 43 Resp: 8480

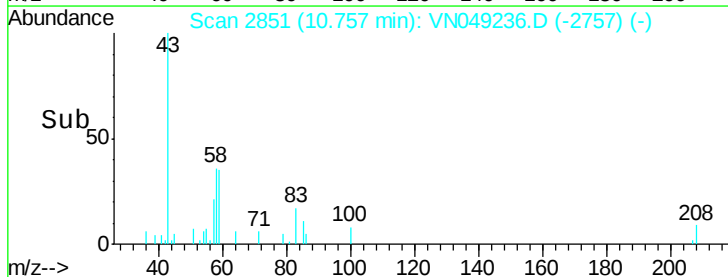
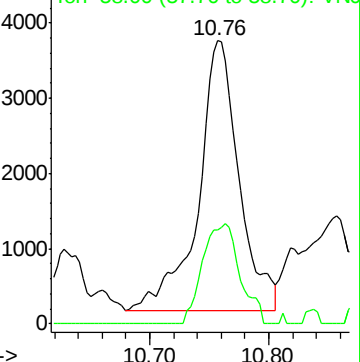
Ion Ratio Lower Upper

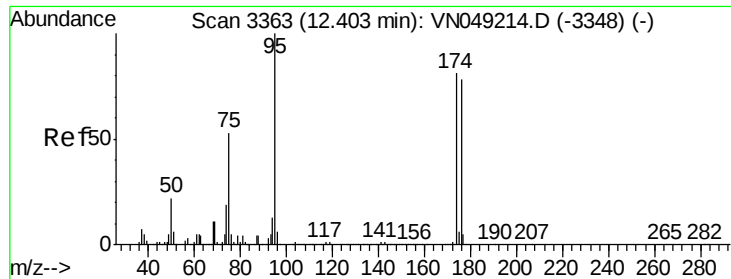
43 100

58 34.1 25.2 75.6



Abundance Ion 43.00 (42.70 to 43.70): VN049214.D (-2833) (-)

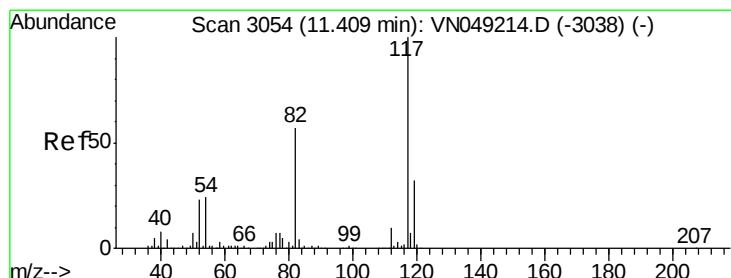
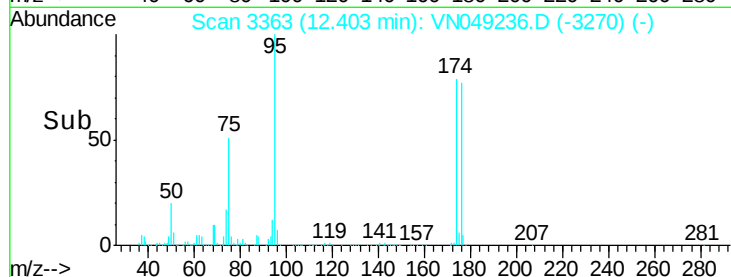
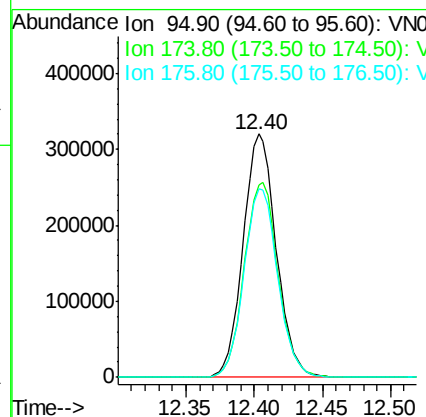
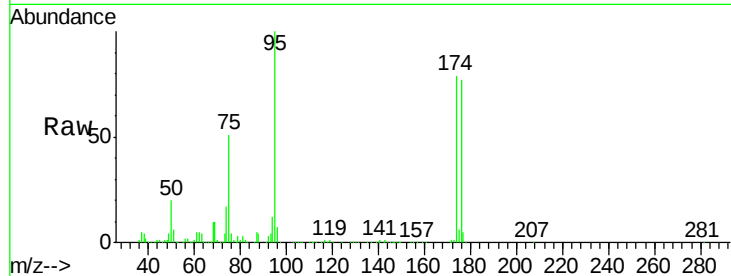




#62
4-Bromofluorobenzene
Concen: 45.40 ug/l
RT: 12.40 min Scan# 3363
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

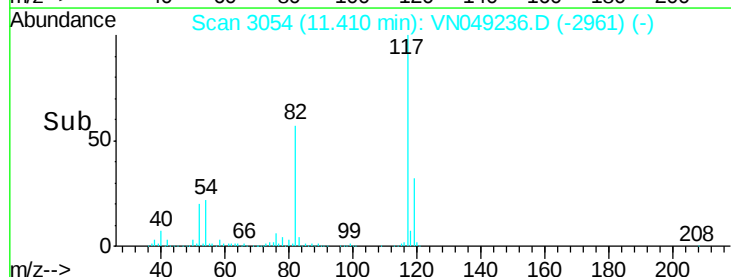
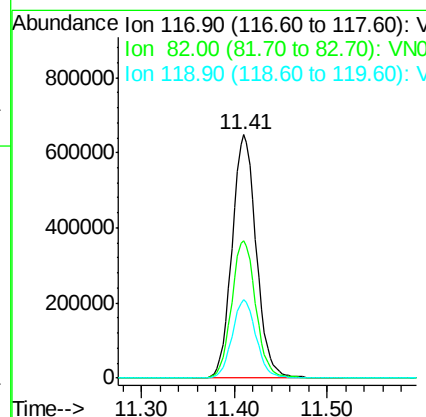
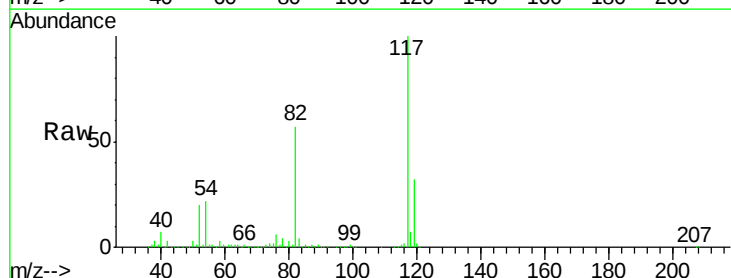
Instrument :
MSVOA_N
ClientSampled :

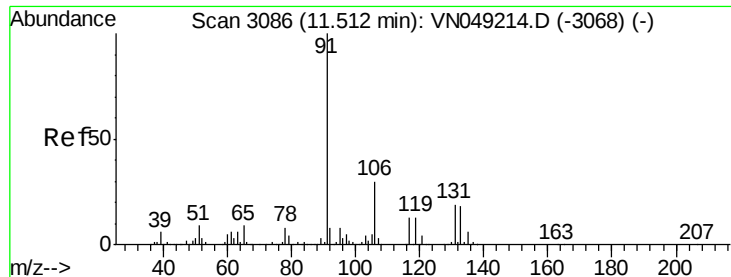
Tot Ion: 95 Resp: 539505
Ion Ratio Lower Upper
95 100
174 81.8 0.0 165.6
176 78.8 0.0 157.4



#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.41 min Scan# 3054
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 117 Resp: 1170560
Ion Ratio Lower Upper
117 100
82 56.6 45.9 68.9
119 32.3 25.5 38.3

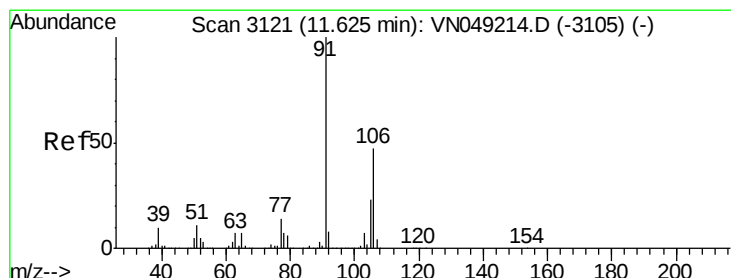
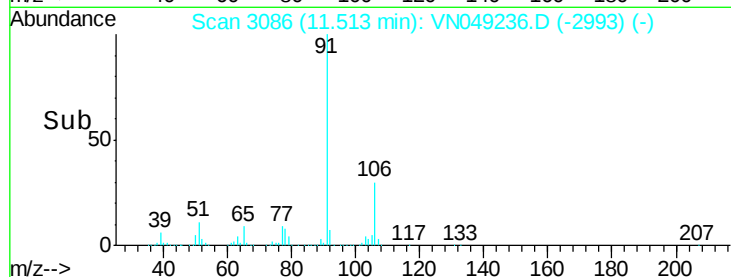
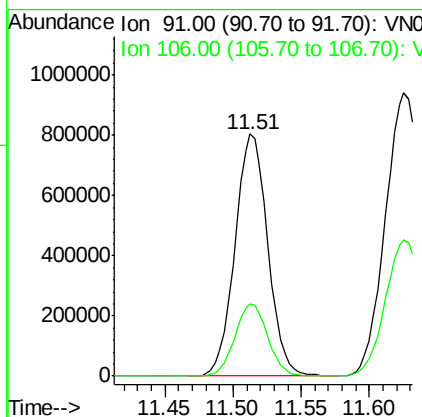
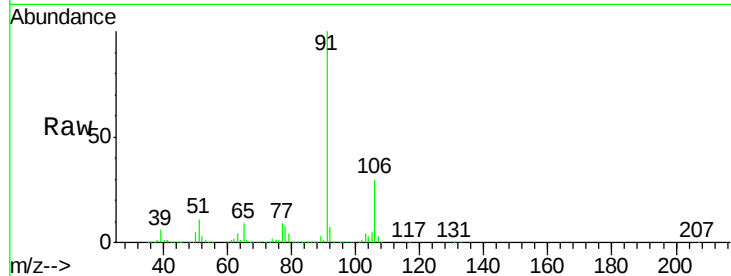




#67
Ethyl Benzene
Concen: 25.64 ug/l
RT: 11.51 min Scan# 3086
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

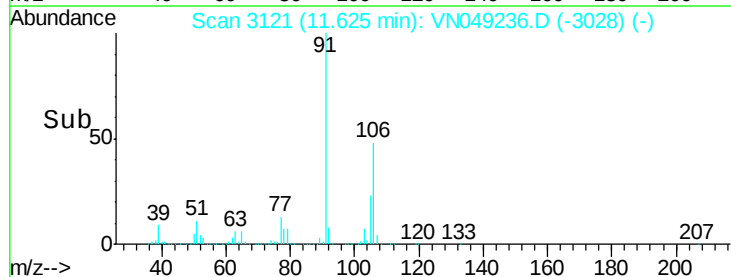
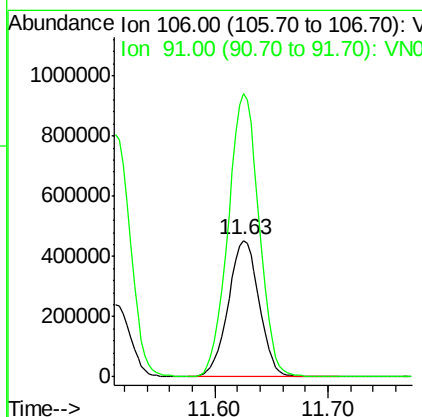
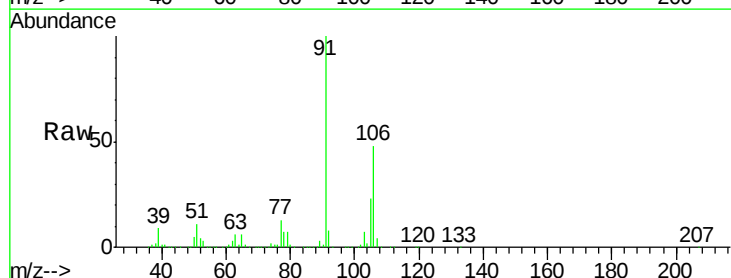
Instrument :
MSVOA_N
ClientSampled :

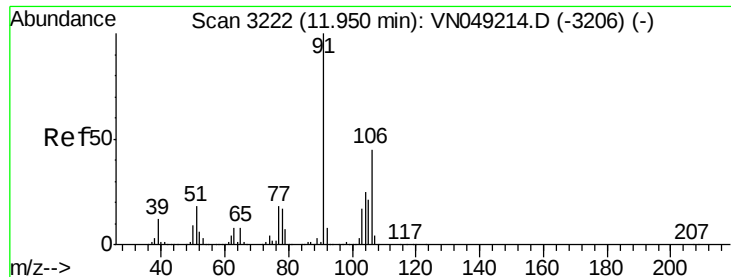
Tot Ion: 91 Resp: 1335849
Ion Ratio Lower Upper
91 100
106 29.8 23.9 35.9



#68
m/p-Xylenes
Concen: 45.12 ug/l
RT: 11.63 min Scan# 3121
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion: 106 Resp: 859512
Ion Ratio Lower Upper
106 100
91 207.8 167.3 250.9

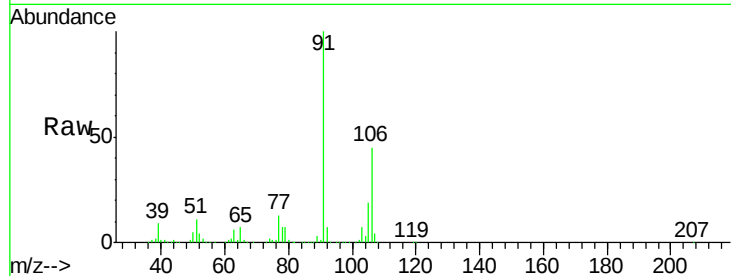




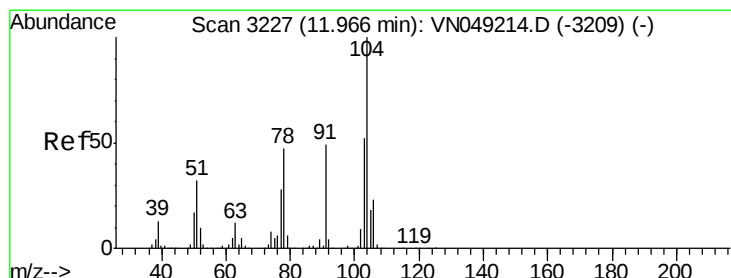
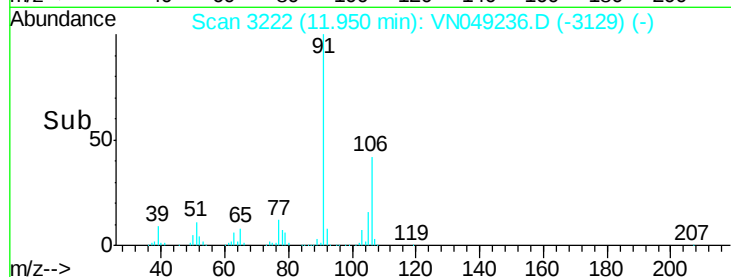
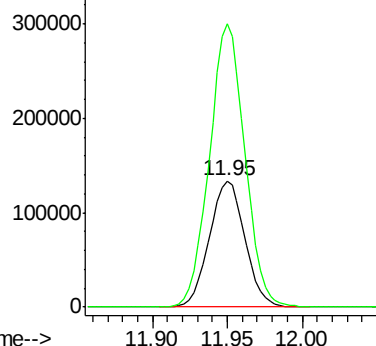
#69
o-Xylene
Concen: 12.03 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Instrument :
MSVOA_N
ClientSampled :

Tot Ion:106 Resp: 220774
Ion Ratio Lower Upper
106 100
91 223.4 111.0 333.0

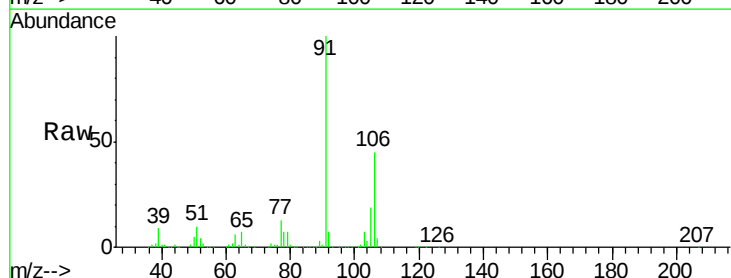


Abundance Ion 106.00 (105.70 to 106.70): V
Ion 91.00 (90.70 to 91.70): VN0

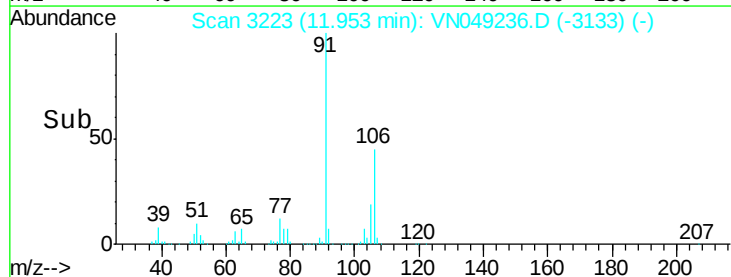
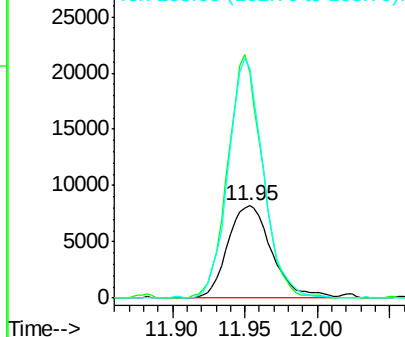


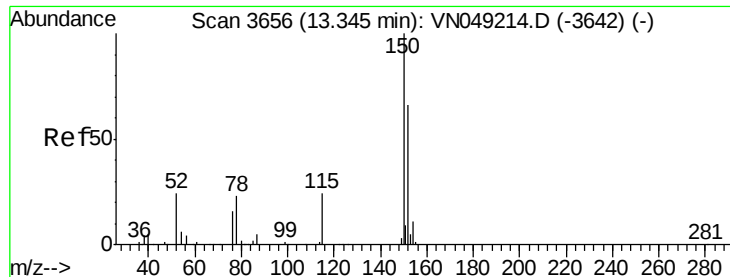
#70
Styrene
Concen: 0.60 ug/l
RT: 11.95 min Scan# 3223
Delta R.T. -0.01 min
Lab File: VN049236.D
Acq: 14 Jun 2018 18:51

Tgt Ion:104 Resp: 17407
Ion Ratio Lower Upper
104 100
78 206.1 41.6 62.4#
103 205.3 45.4 68.2#



Abundance Ion 104.00 (103.70 to 104.70): V
Ion 78.00 (77.70 to 78.70): VN0
Ion 103.00 (102.70 to 103.70): 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: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampled :

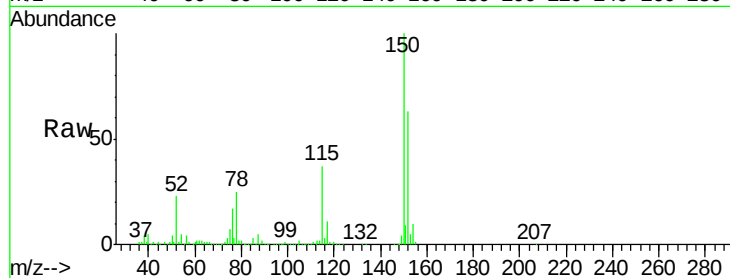
Tot Ion:152 Resp: 447113

Ion Ratio Lower Upper

152 100

115 62.1 28.7 86.1

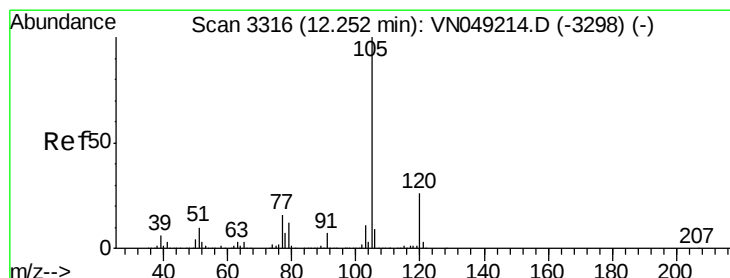
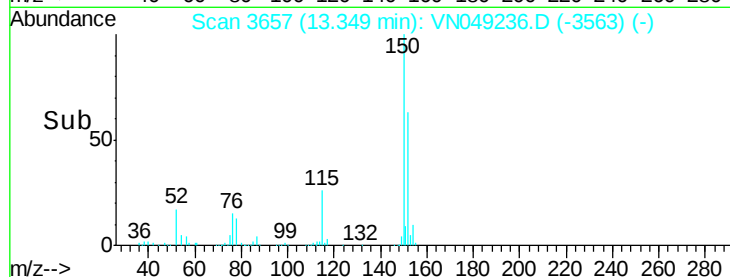
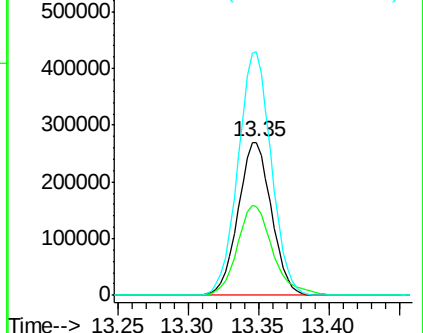
150 158.4 0.0 351.0



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



#73

Isopropylbenzene

Concen: 2.97 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049236.D

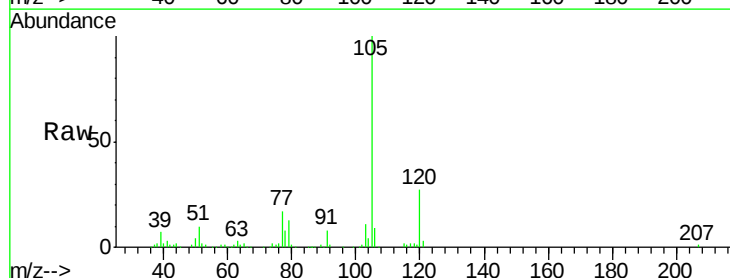
Acq: 14 Jun 2018 18:51

Tgt Ion:105 Resp: 127411

Ion Ratio Lower Upper

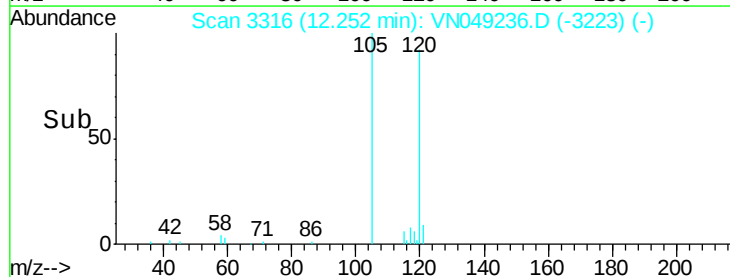
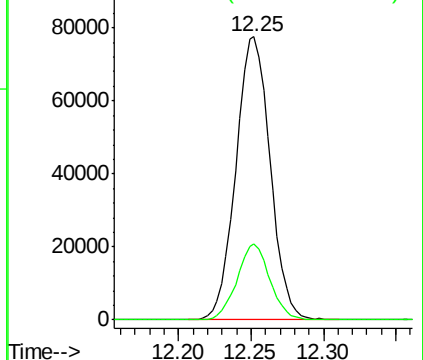
105 100

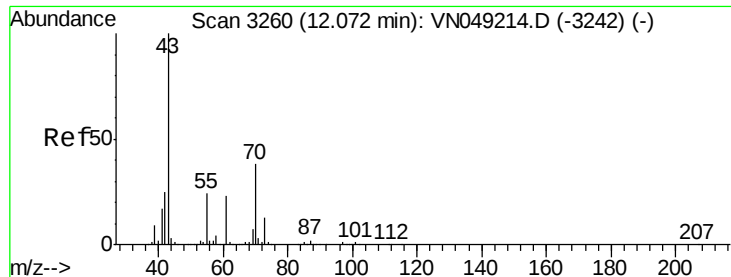
120 25.7 12.8 38.3



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V





#74

N-amvl acetate

Concen: 0.30 ug/l

RT: 12.07 min Scan# 3260

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

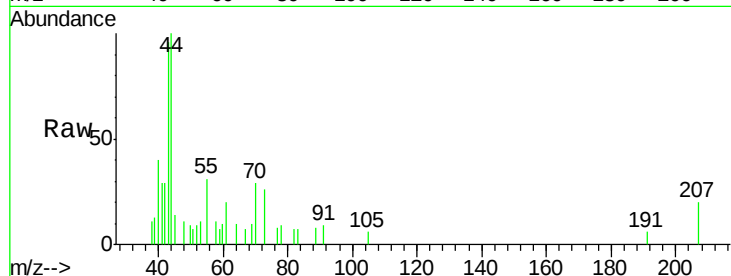
MSVOA_N

ClientSampleId :

Tot Ion: 43 Resp: 3659

Ion Ratio Lower Upper

43	100		
70	44.9	30.3	45.5
55	10.7	19.4	29.2#
61	26.3	17.8	26.6

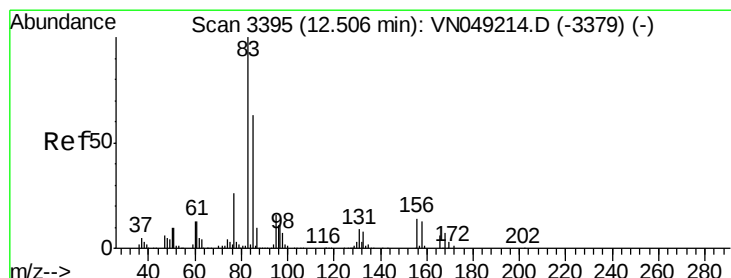
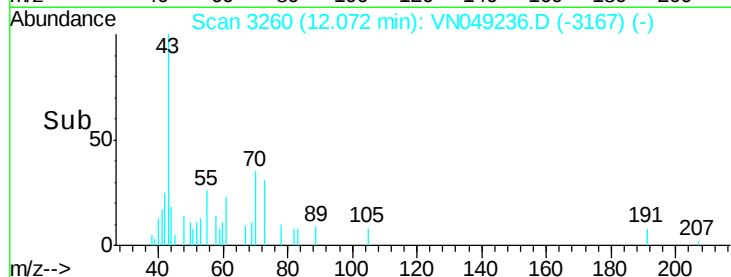
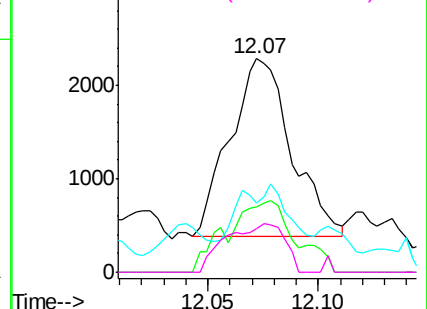


Abundance Ion 43.00 (42.70 to 43.70): VN0

Ion 70.00 (69.70 to 70.70): VN0

Ion 55.00 (54.70 to 55.70): VN0

Ion 61.00 (60.70 to 61.70): VN0



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.50 min Scan# 3392

Delta R.T. -0.01 min

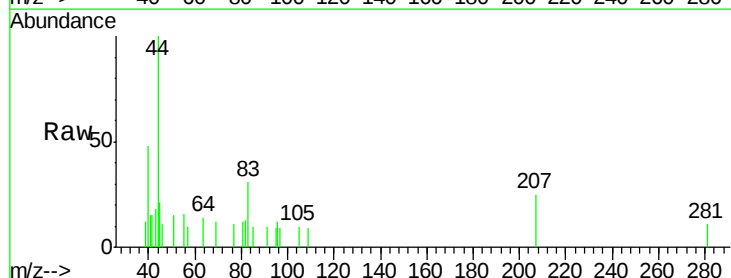
Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Tgt Ion: 83 Resp: 1314

Ion Ratio Lower Upper

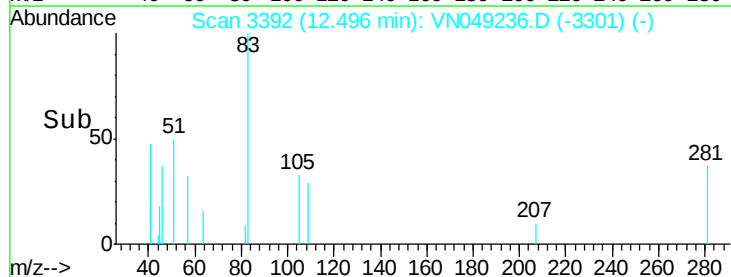
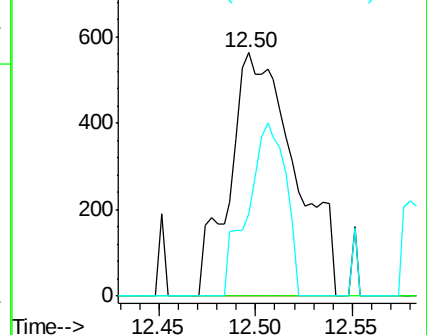
83	100		
131	0.0	5.0	15.0#
85	42.0	32.0	96.0

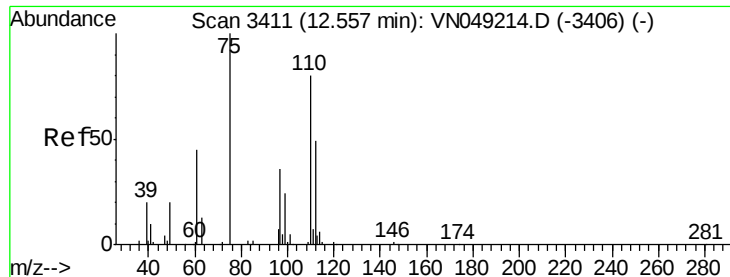


Abundance Ion 82.90 (82.60 to 83.60): VN0

Ion 130.80 (130.50 to 131.50): VN0

Ion 84.90 (84.60 to 85.60): VN0





#76

1,2,3-Trichloropropane

Concen: 36.64 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

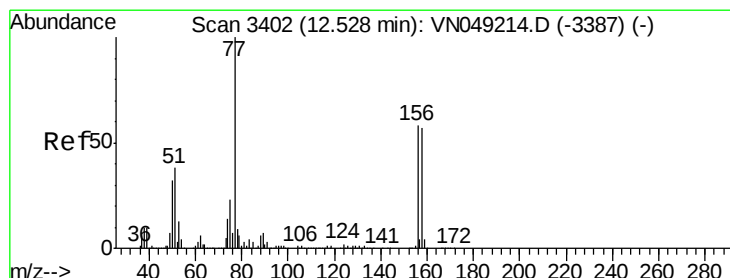
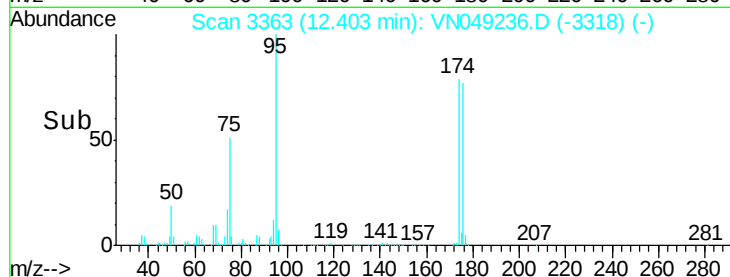
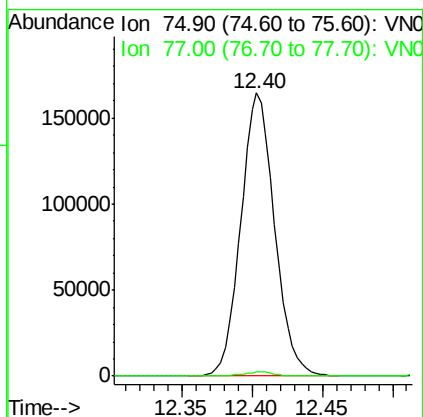
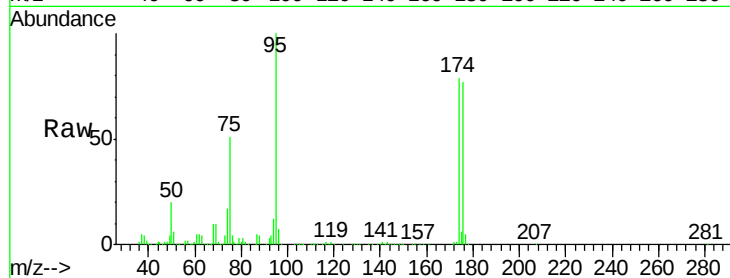
ClientSampled :

Tot Ion: 75 Resp: 275884

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#77

Bromobenzene

Concen: Below Cal

RT: 12.53 min Scan# 3402

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

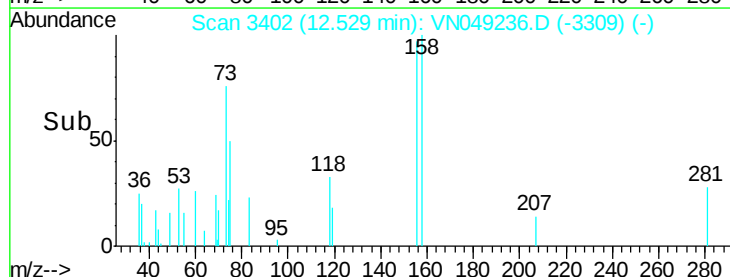
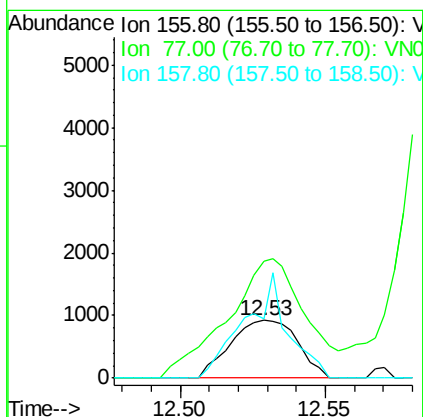
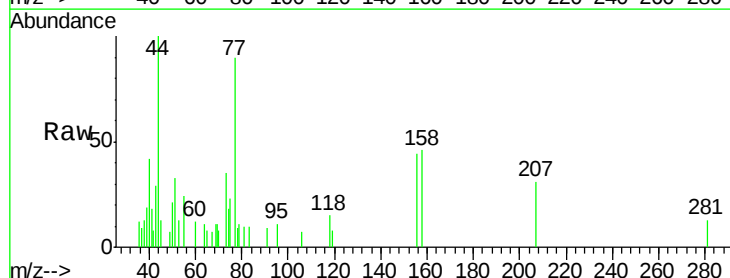
Tgt Ion: 156 Resp: 1480

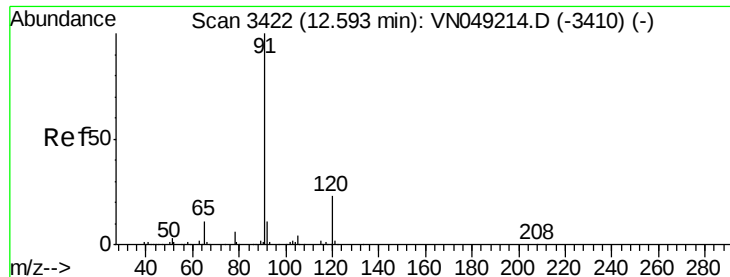
Ion Ratio Lower Upper

156 100

77 240.0 100.8 302.4

158 117.6 49.3 147.9





#78

n-propylbenzene

Concen: 7.56 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

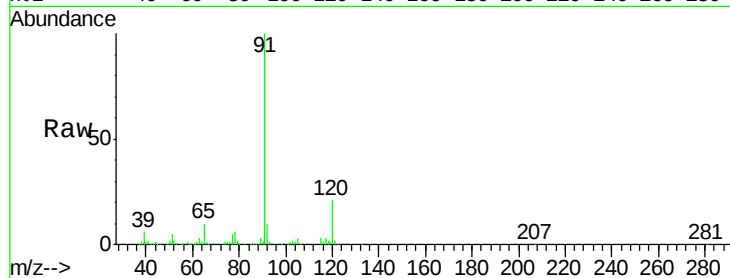
ClientSampled :

Tot Ion: 91 Resp: 360447

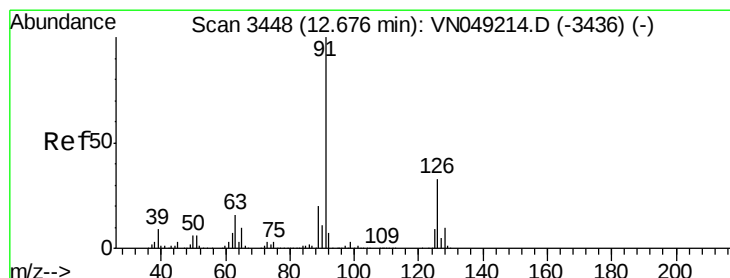
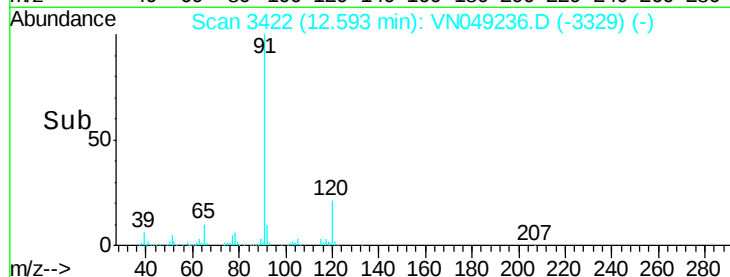
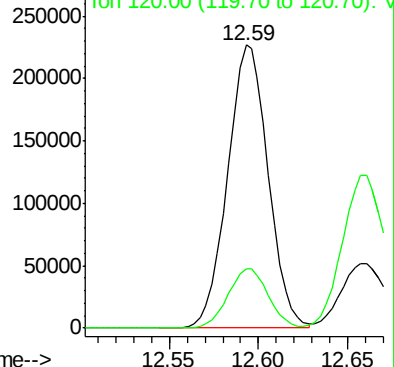
Ion Ratio Lower Upper

91 100

120 20.9 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN049236.D (-3329) (-)



#79

2-Chlorotoluene

Concen: 2.63 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049236.D

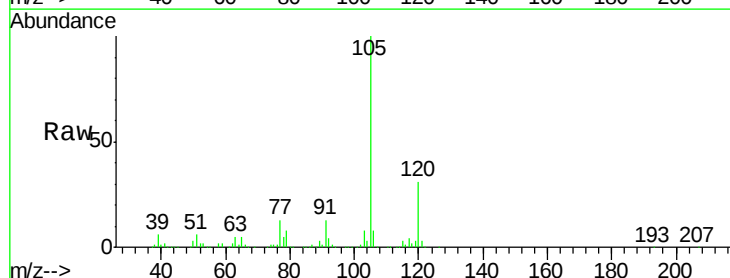
Acq: 14 Jun 2018 18:51

Tgt Ion: 91 Resp: 79241

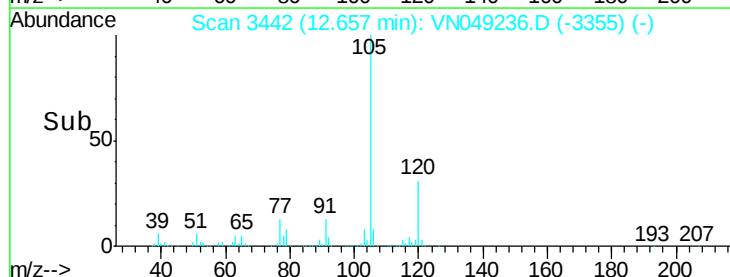
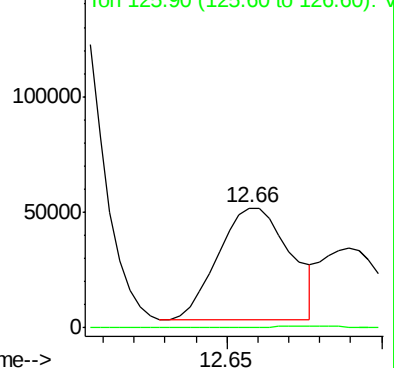
Ion Ratio Lower Upper

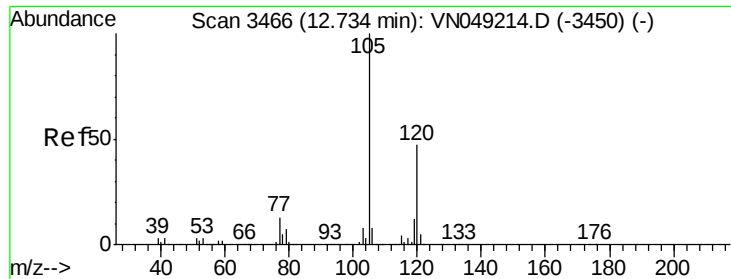
91 100

126 0.0 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN049236.D (-3355) (-)

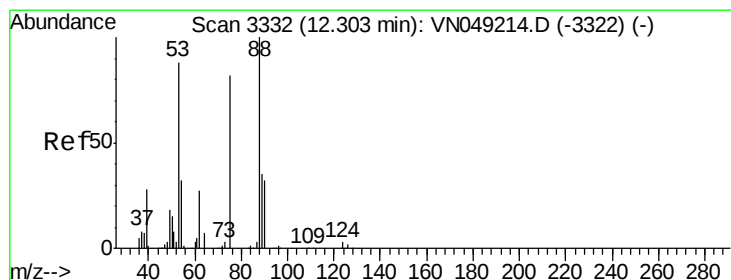
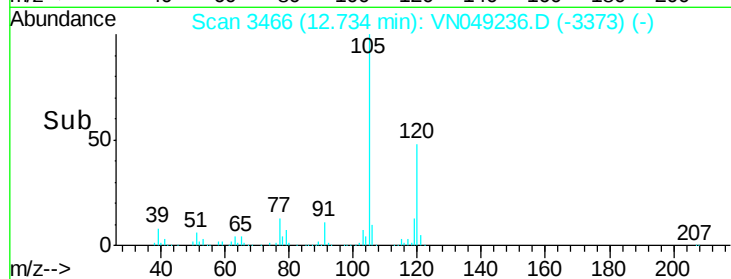
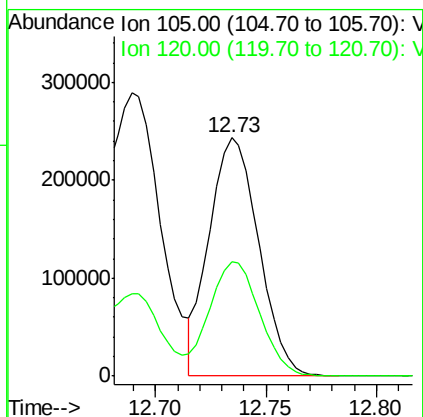
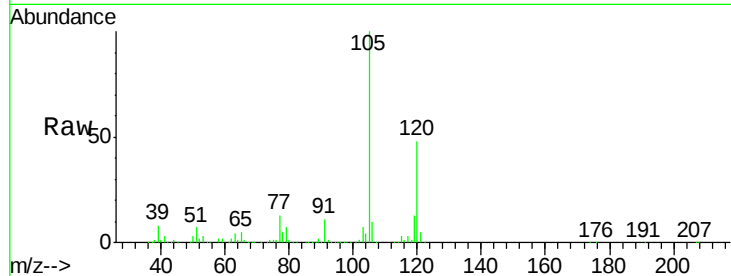




#80
 1,3,5-Trimethylbenzene
 Concen: 11.44 ug/l
 RT: 12.73 min Scan# 3466
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

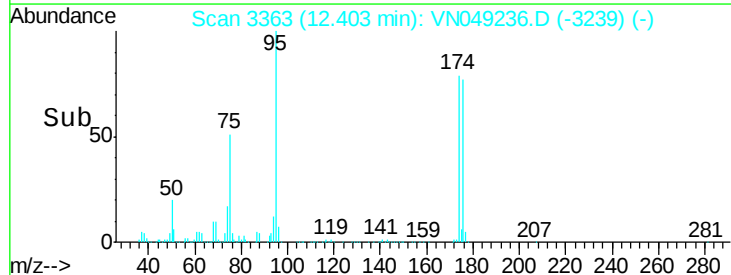
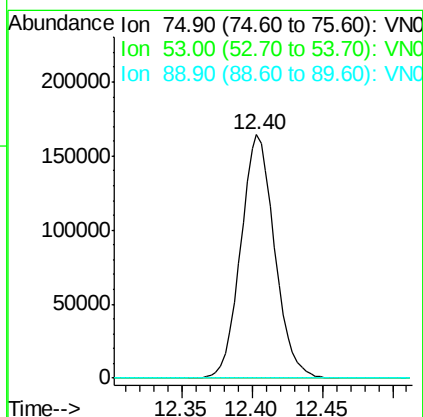
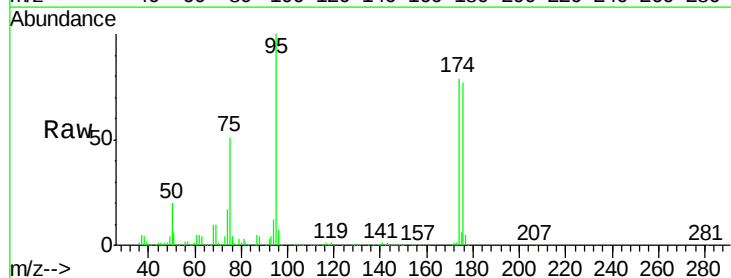
Instrument :
 MSVOA_N
 ClientSampleId :

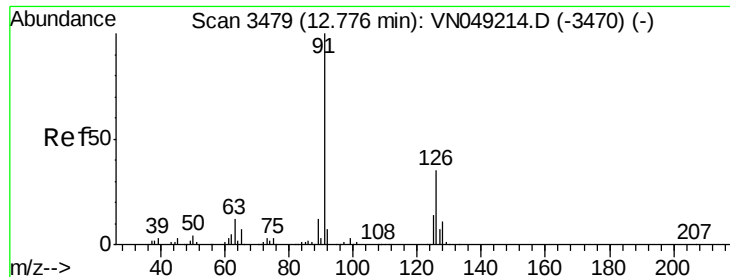
Tot Ion:105 Resp: 376549
 Ion Ratio Lower Upper
 105 100
 120 49.4 23.5 70.5



#81
 trans-1,4-Dichloro-2-butene
 Concen: 103.09 ug/l
 RT: 12.40 min Scan# 3363
 Delta R.T. 0.10 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Tgt Ion: 75 Resp: 275884
 Ion Ratio Lower Upper
 75 100
 53 0.1 82.7 124.1#
 89 0.0 36.5 54.7#





#82

4-Chlorotoluene

Concen: 1.16 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

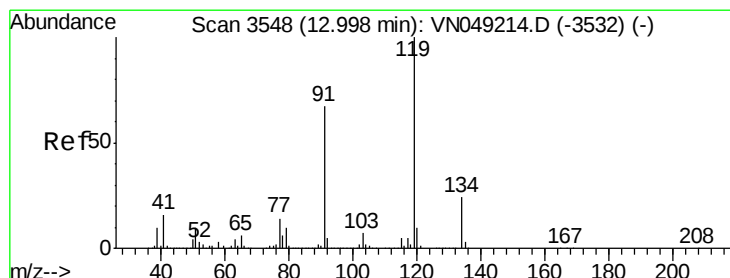
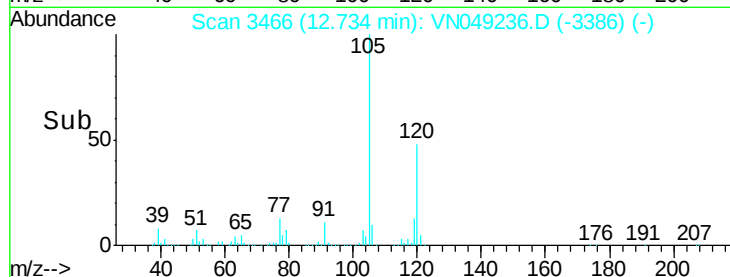
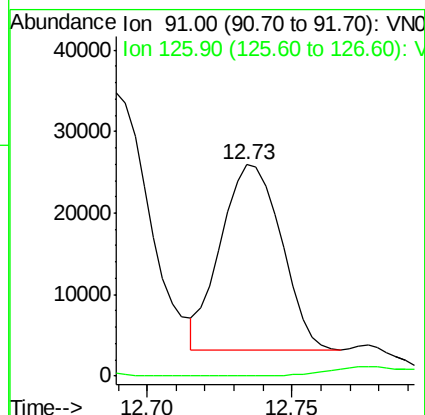
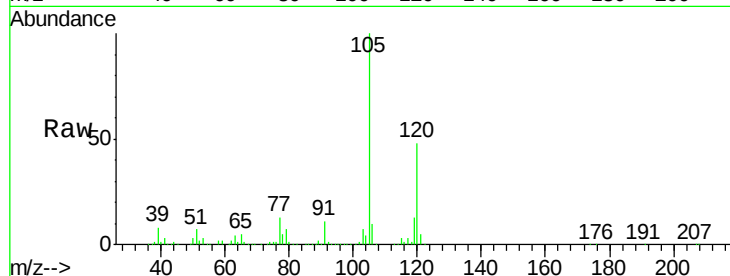
ClientSampleId :

Tot Ion: 91 Resp: 33031

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#83

tert-Butylbenzene

Concen: 7.63 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.05 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

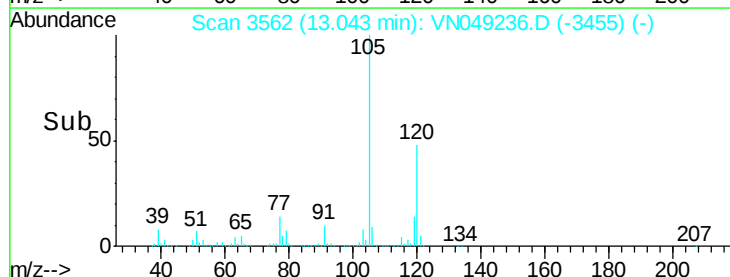
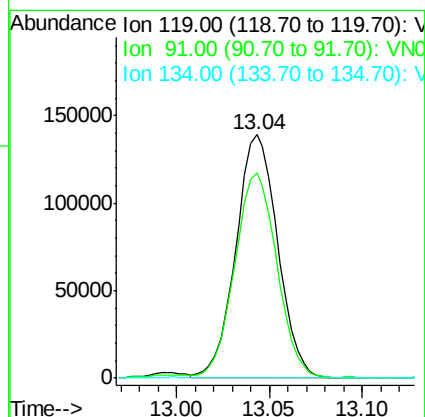
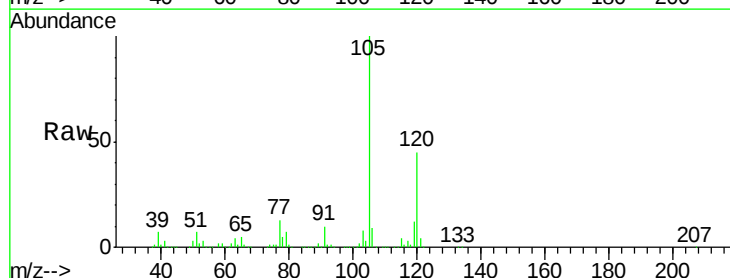
Tgt Ion: 119 Resp: 216480

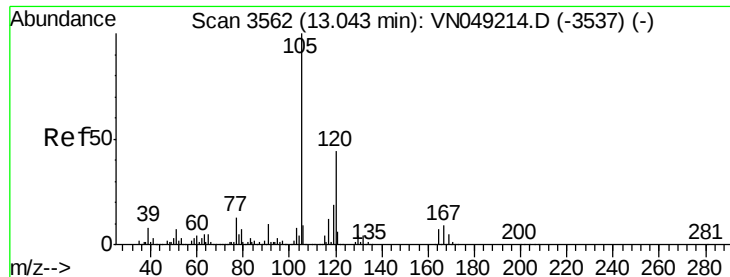
Ion Ratio Lower Upper

119 100

91 85.0 33.7 101.0

134 0.3 12.9 38.6#





#84

1,2,4-Trimethylbenzene

Concen: 54.03 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

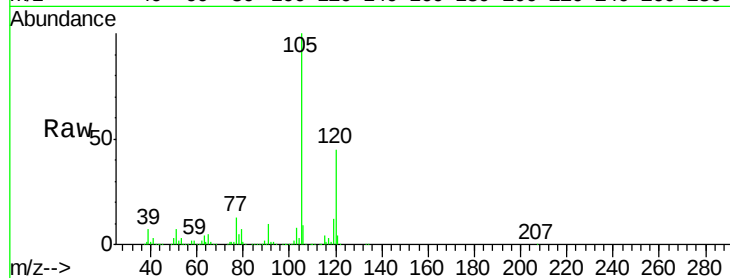
ClientSampled :

Tot Ion:105 Resp: 1768421

Ion Ratio Lower Upper

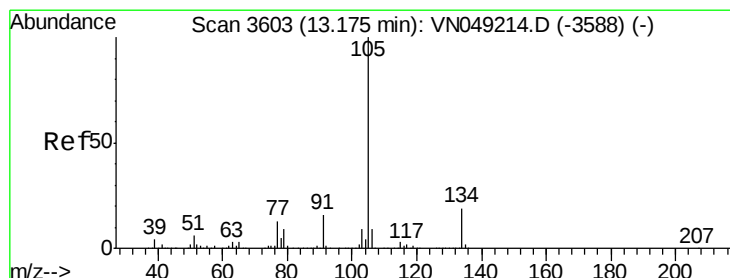
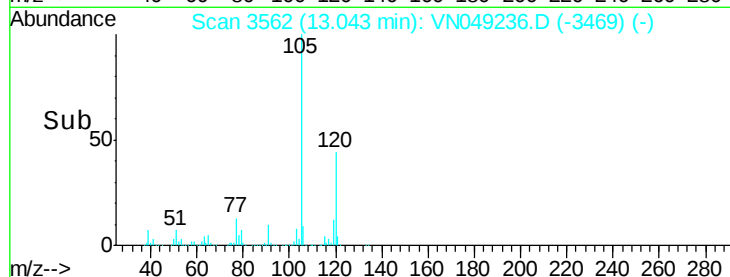
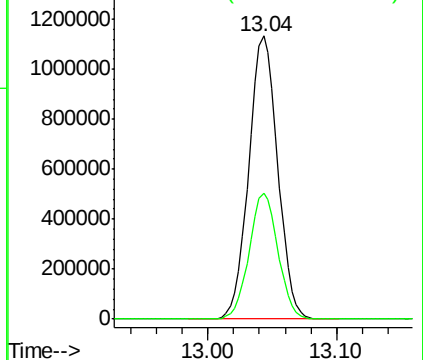
105 100

120 44.3 22.2 66.6



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#85

sec-Butylbenzene

Concen: 46.76 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. -0.13 min

Lab File: VN049236.D

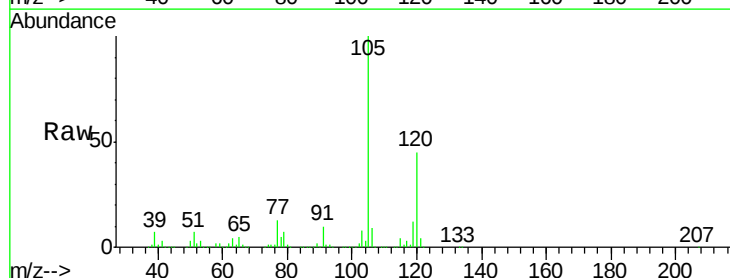
Acq: 14 Jun 2018 18:51

Tgt Ion:105 Resp: 1768421

Ion Ratio Lower Upper

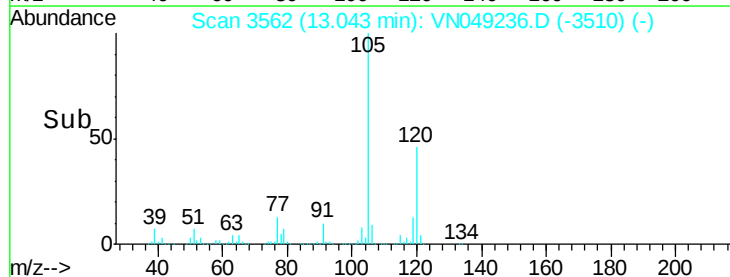
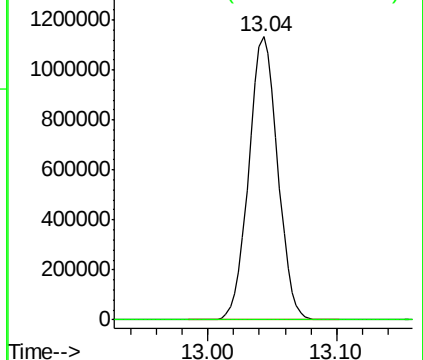
105 100

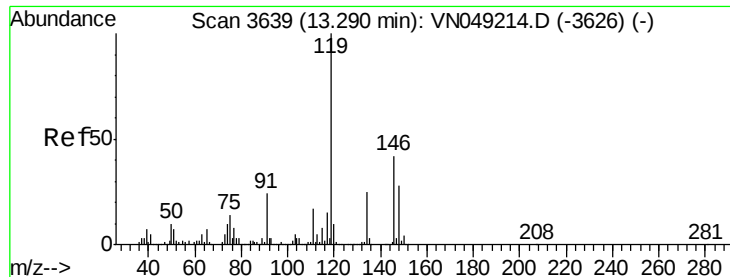
134 0.0 9.8 29.3#



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 134.00 (133.70 to 134.70): V

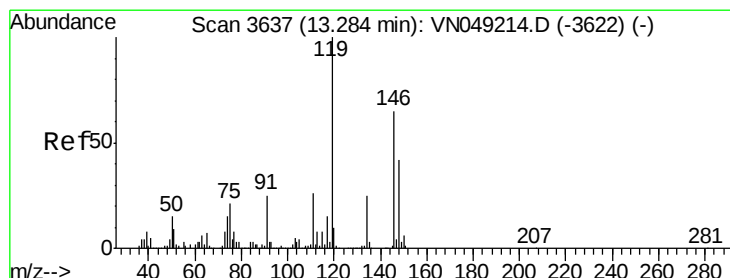
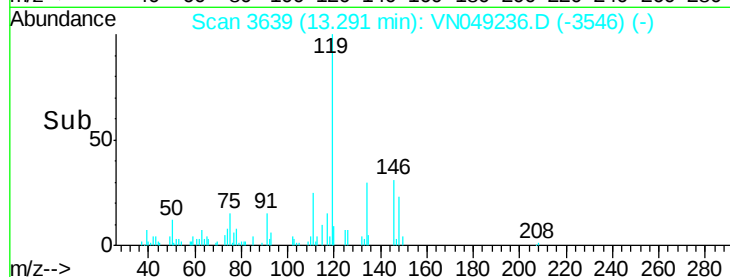
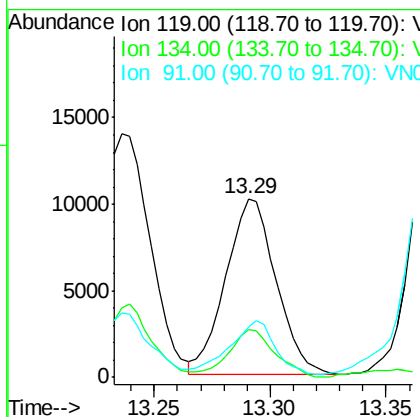
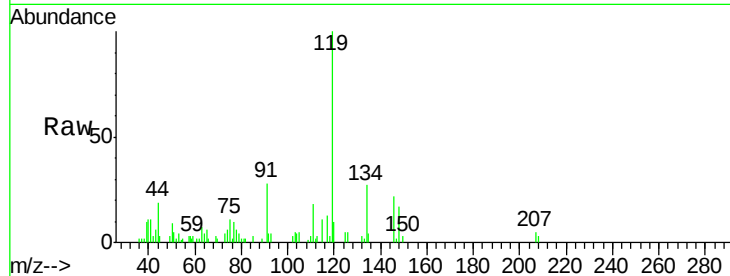




#86
 p-Isopropyltoluene
 Concen: 0.50 ug/l
 RT: 13.29 min Scan# 3639
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

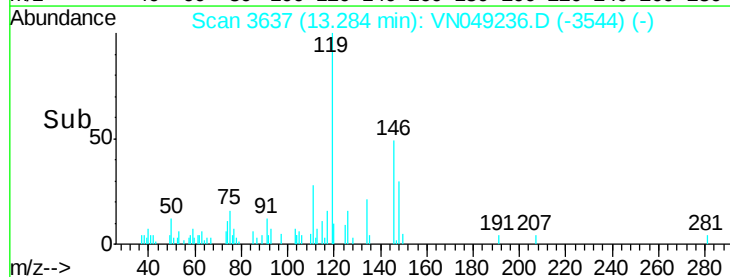
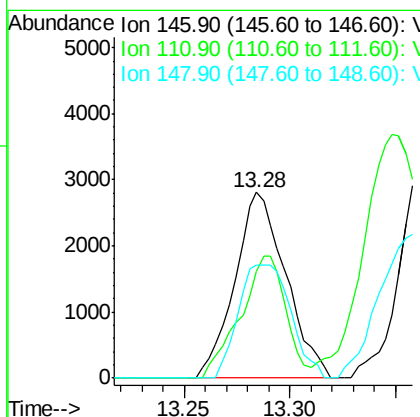
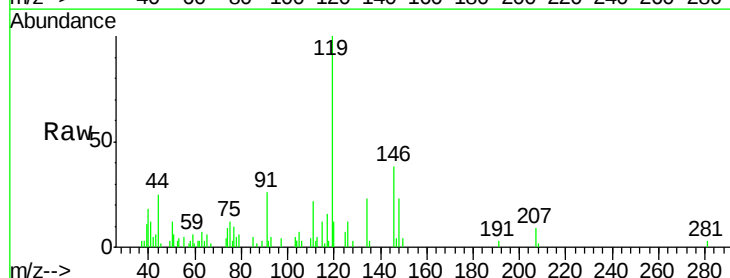
Instrument :
 MSVOA_N
 ClientSampleId :

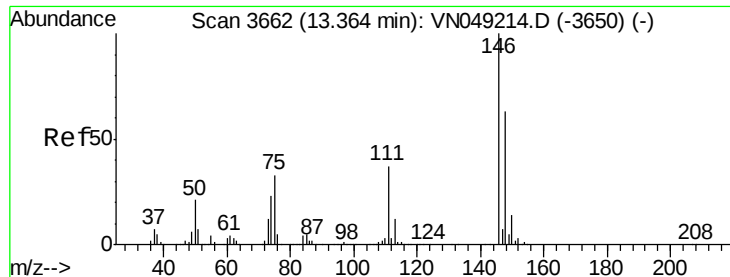
Tot Ion:119 Resp: 15266
 Ion Ratio Lower Upper
 119 100
 134 24.9 12.9 38.6
 91 0.0 12.1 36.3#



#87
 1,3-Dichlorobenzene
 Concen: 0.28 ug/l
 RT: 13.28 min Scan# 3637
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Tgt Ion:146 Resp: 4706
 Ion Ratio Lower Upper
 146 100
 111 59.0 19.9 59.6
 148 62.6 32.1 96.5





#88

1,4-Dichlorobenzene

Concen: 0.35 ug/l

RT: 13.36 min Scan# 3661

Delta R.T. -0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampled :

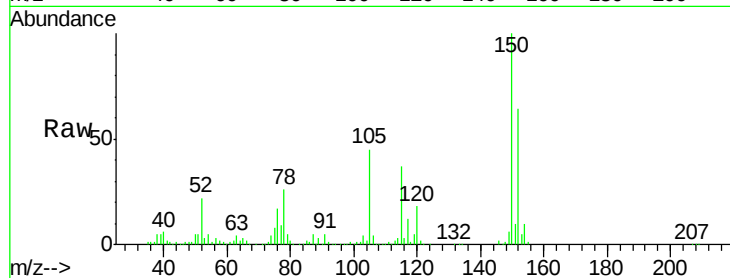
Tot Ion:146 Resp: 5864

Ion Ratio Lower Upper

146 100

111 139.1 19.1 57.1#

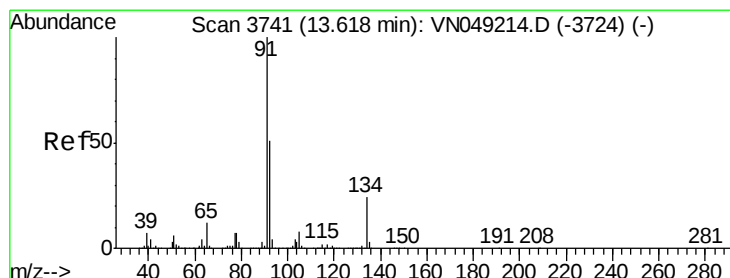
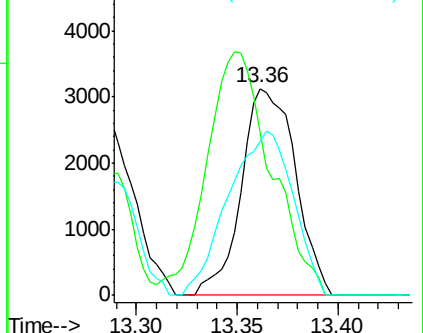
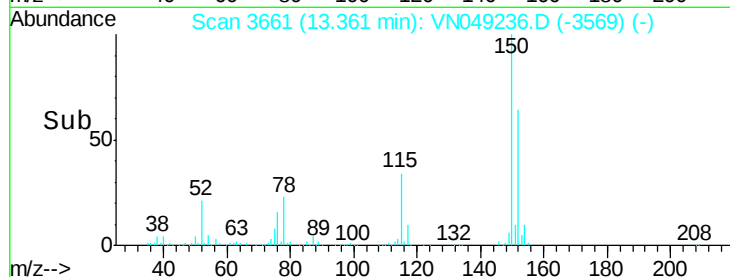
148 94.4 32.0 96.2



Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V



#89

n-Butylbenzene

Concen: 2.66 ug/l

RT: 13.62 min Scan# 3740

Delta R.T. -0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

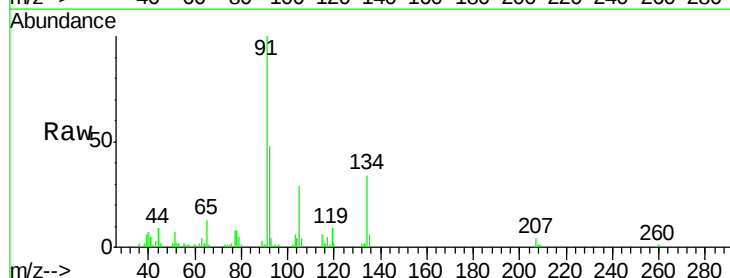
Tgt Ion: 91 Resp: 30626

Ion Ratio Lower Upper

91 100

92 58.3 25.1 75.4

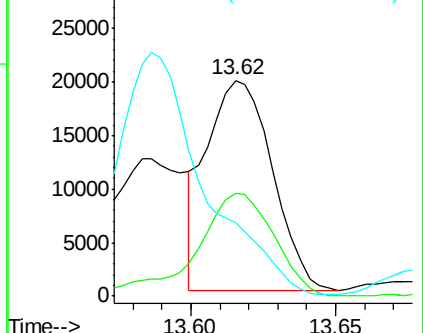
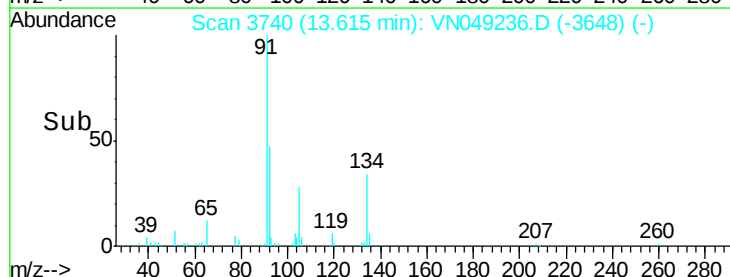
134 0.0 12.0 36.0#

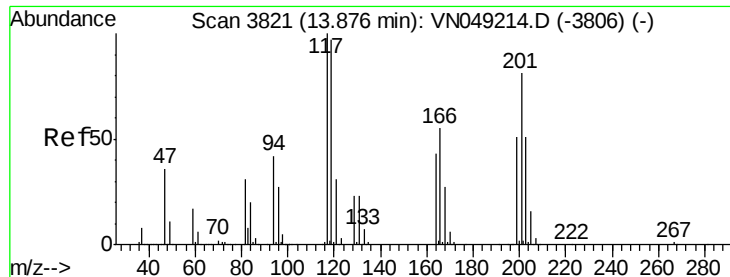


Abundance Ion 91.00 (90.70 to 91.70): V

Ion 92.00 (91.70 to 92.70): V

Ion 134.00 (133.70 to 134.70): V





#90

Hexachloroethane

Concen: 0.27 ug/l

RT: 13.89 min Scan# 3826

Delta R.T. 0.02 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

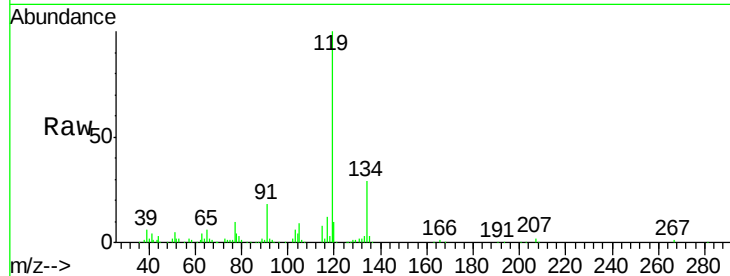
ClientSampled :

Tot Ion:117 Resp: 12321

Ion Ratio Lower Upper

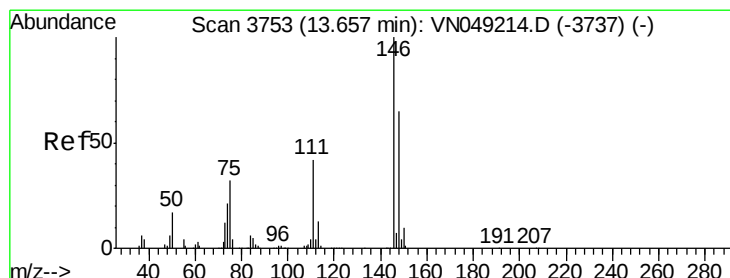
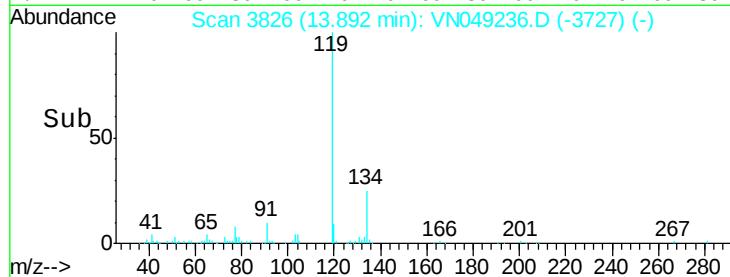
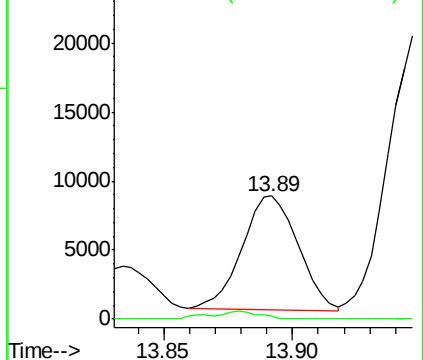
117 100

201 6.0 40.1 120.2#



Abundance Ion 116.80 (116.50 to 117.50): V

Ion 200.70 (200.40 to 201.40): V



#91

1,2-Dichlorobenzene

Concen: 0.26 ug/l

RT: 13.66 min Scan# 3753

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

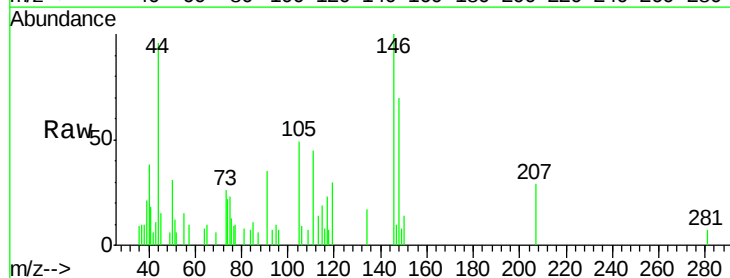
Tgt Ion:146 Resp: 4246

Ion Ratio Lower Upper

146 100

111 52.3 20.8 62.2

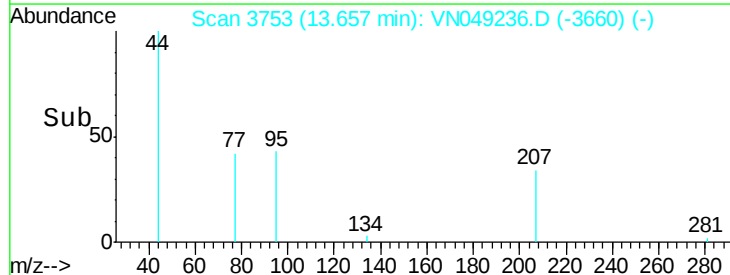
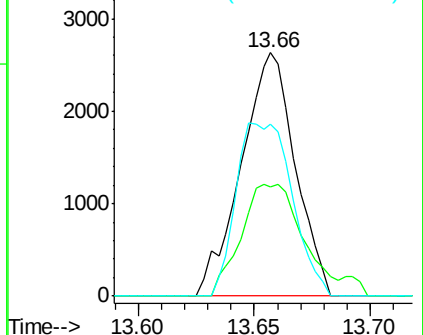
148 73.8 32.0 96.2

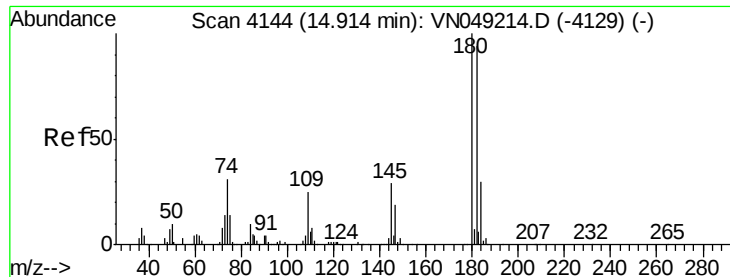


Abundance Ion 145.90 (145.60 to 146.60): V

Ion 110.90 (110.60 to 111.60): V

Ion 147.90 (147.60 to 148.60): V

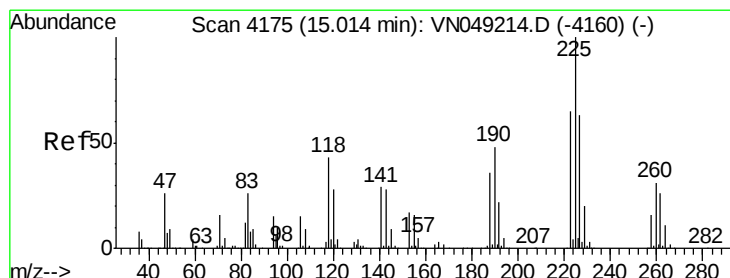
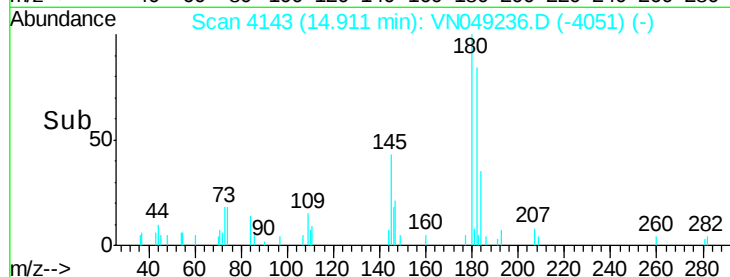
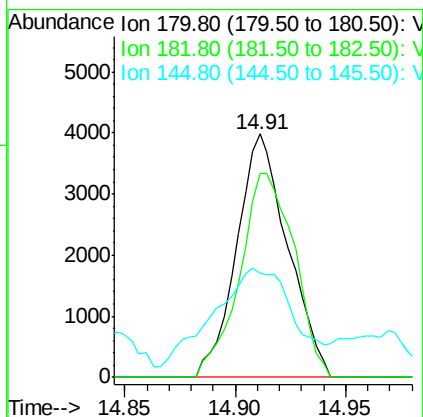
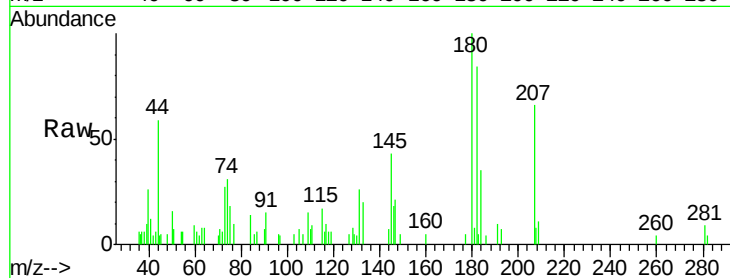




#93
 1,2,4-Trichlorobenzene
 Concen: 5.20 ug/l
 RT: 14.91 min Scan# 4143
 Delta R.T. -0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

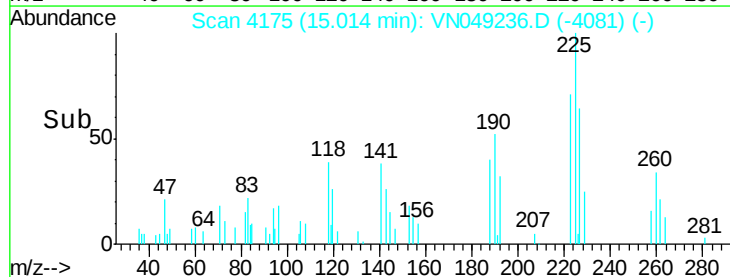
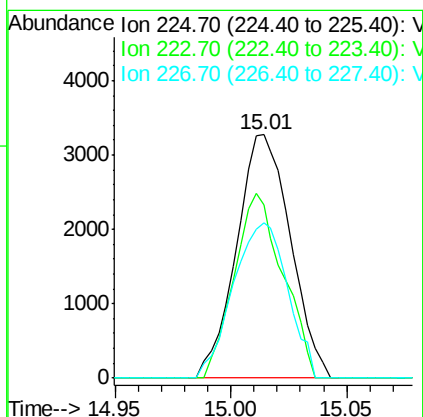
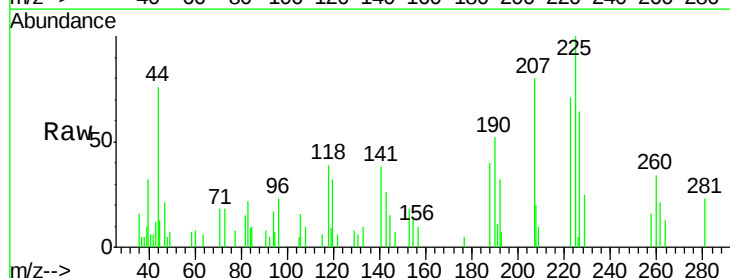
Instrument :
 MSVOA_N
 ClientSampled :

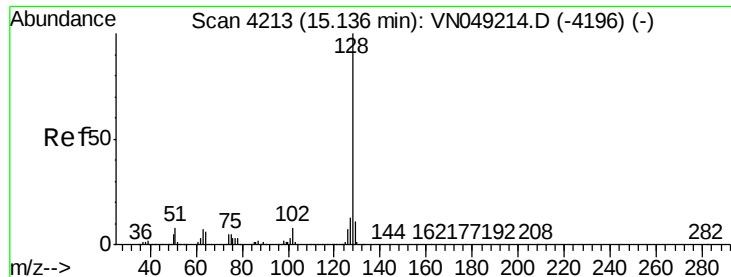
Tot Ion:180 Resp: 6380
 Ion Ratio Lower Upper
 180 100
 182 89.4 46.9 140.8
 145 62.3 14.7 44.1#



#94
 Hexachlorobutadiene
 Concen: 1.06 ug/l
 RT: 15.01 min Scan# 4175
 Delta R.T. 0.00 min
 Lab File: VN049236.D
 Acq: 14 Jun 2018 18:51

Tgt Ion:225 Resp: 5279
 Ion Ratio Lower Upper
 225 100
 223 68.9 32.1 96.3
 227 64.4 31.8 95.3





#95

Naphthalene

Concen: 13.43 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

Instrument :

MSVOA_N

ClientSampled :

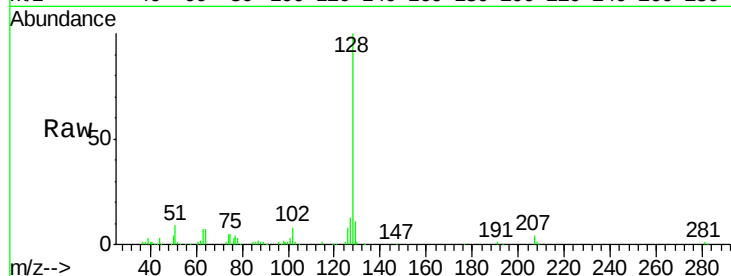
Tot Ion:128 Resp: 139581

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

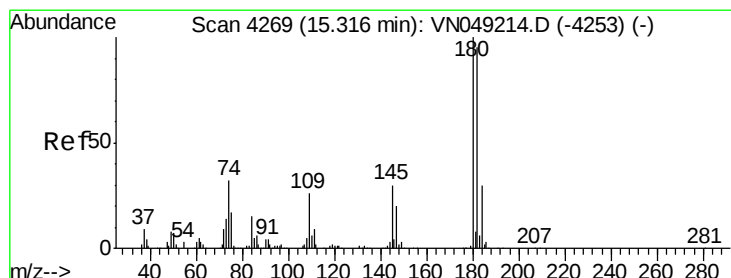
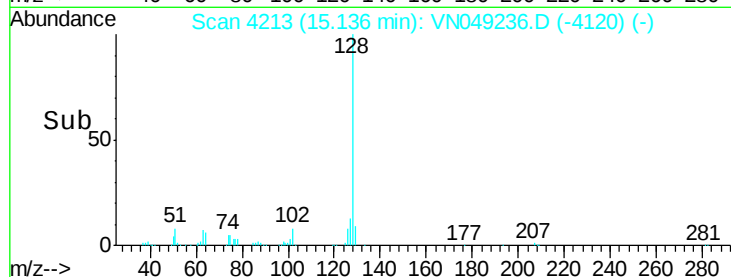
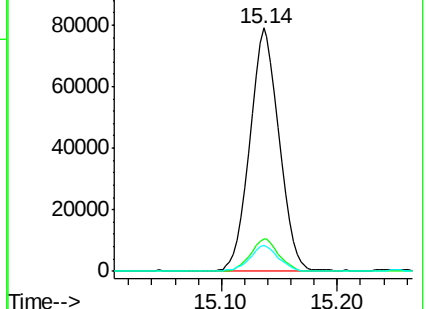
129 10.4 8.5 12.7



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: 1.07 ug/l

RT: 15.32 min Scan# 4269

Delta R.T. 0.00 min

Lab File: VN049236.D

Acq: 14 Jun 2018 18:51

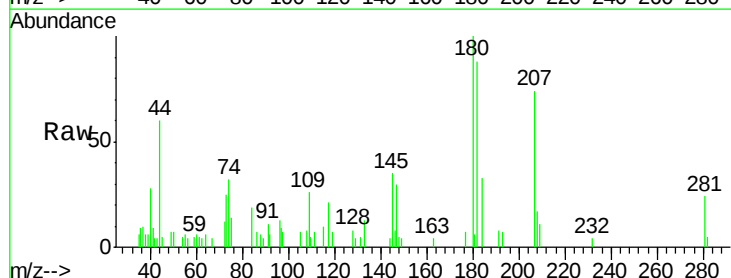
Tgt Ion:180 Resp: 6963

Ion Ratio Lower Upper

180 100

182 89.6 47.3 141.8

145 33.7 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

