

Data Path : Z:\VOASRV\HPCHEM1\MSVOA N\DATA\VN061418\
 Data File : VN049227.D
 Acq On : 14 Jun 2018 14:59
 Operator : MD\SY
 Sample : J3435-01DL 10X
 Misc : 5.00mL/MSVOA N/WATER
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: Jun 15 04:03:28 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	642480	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.59	114	1187473	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.41	117	1250356	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.35	152	481453	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	418530	40.34	ug/l	0.00
Spiked Amount			Recovery	=	80.68%	
35) Dibromofluoromethane	7.59	113	377187	38.38	ug/l	0.00
Spiked Amount			Recovery	=	76.76%	
50) Toluene-d8	10.09	98	1466999	38.37	ug/l	0.00
Spiked Amount			Recovery	=	76.74%	
62) 4-Bromofluorobenzene	12.40	95	573761	45.22	ug/l	0.00
Spiked Amount			Recovery	=	90.44%	

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
3) Chloromethane	2.05	50	1972	0.21	ug/l #	63
5) Bromomethane	2.57	94	3776	0.45	ug/l #	60
10) Methyl Iodide	3.96	142	1865	0.22	ug/l #	70
13) Acrolein	3.56	56	9497	12.34	ug/l #	1
14) Allyl chloride	4.41	41	16510	1.10	ug/l #	60
15) Acrylonitrile	5.05	53	15241	5.01	ug/l #	38
16) Acetone	3.81	43	67649	27.29	ug/l #	61
17) Carbon Disulfide	4.05	76	8377	0.31	ug/l	97
18) Methyl Acetate	4.33	43	15175	Below	Cal	97
20) Methylene Chloride	4.53	84	3486	0.35	ug/l #	23
25) 2-Butanone	6.84	43	9424	2.66	ug/l	95
31) Cyclohexane	7.65	56	168453	10.63	ug/l #	93
36) 1,1-Dichloropropene	7.67	75	50195	3.38	ug/l #	55
38) Carbon Tetrachloride	7.67	117	59966	4.01	ug/l #	19
39) Methylcyclohexane	9.08	83	91459	5.97	ug/l	96
40) Benzene	8.04	78	93712	2.08	ug/l	100
43) Isopropyl Acetate	8.15	43	12360	0.72	ug/l #	64
48) Methyl methacrylate	9.27	41	9377	1.11	ug/l #	45
49) 1,4-Dioxane	9.20	88	100	1.01	ug/l #	1
52) Toluene	10.16	92	208789	7.98	ug/l	97
55) 1,1,2-Trichloroethane	10.54	97	9534	0.99	ug/l #	16
56) Ethyl methacrylate	10.43	69	2431	0.21	ug/l #	55
58) 2-Chloroethyl Vinyl ether	9.68	63	29	13.19	ug/l #	51
59) 2-Hexanone	10.76	43	1789	0.31	ug/l	83
67) Ethyl Benzene	11.51	91	2417594	43.45	ug/l	99
68) m/p-Xylenes	11.63	106	869676	42.74	ug/l	99
69) o-Xylene	11.95	106	75271	3.84	ug/l	98
70) Styrene	11.95	104	7165	0.23	ug/l #	1
71) Bromoform	12.41	173	4501	0.59	ug/l #	1
73) Isopropylbenzene	12.25	105	188990	4.09	ug/l	100
75) 1,1,2,2-Tetrachloroethane	12.51	83	186	Below	Cal #	6
76) 1,2,3-Trichloropropane	12.40	75	292603	36.06	ug/l #	100
77) Bromobenzene	12.52	156	511	Below	Cal #	45
78) n-propylbenzene	12.59	91	348974	6.79	ug/l	99

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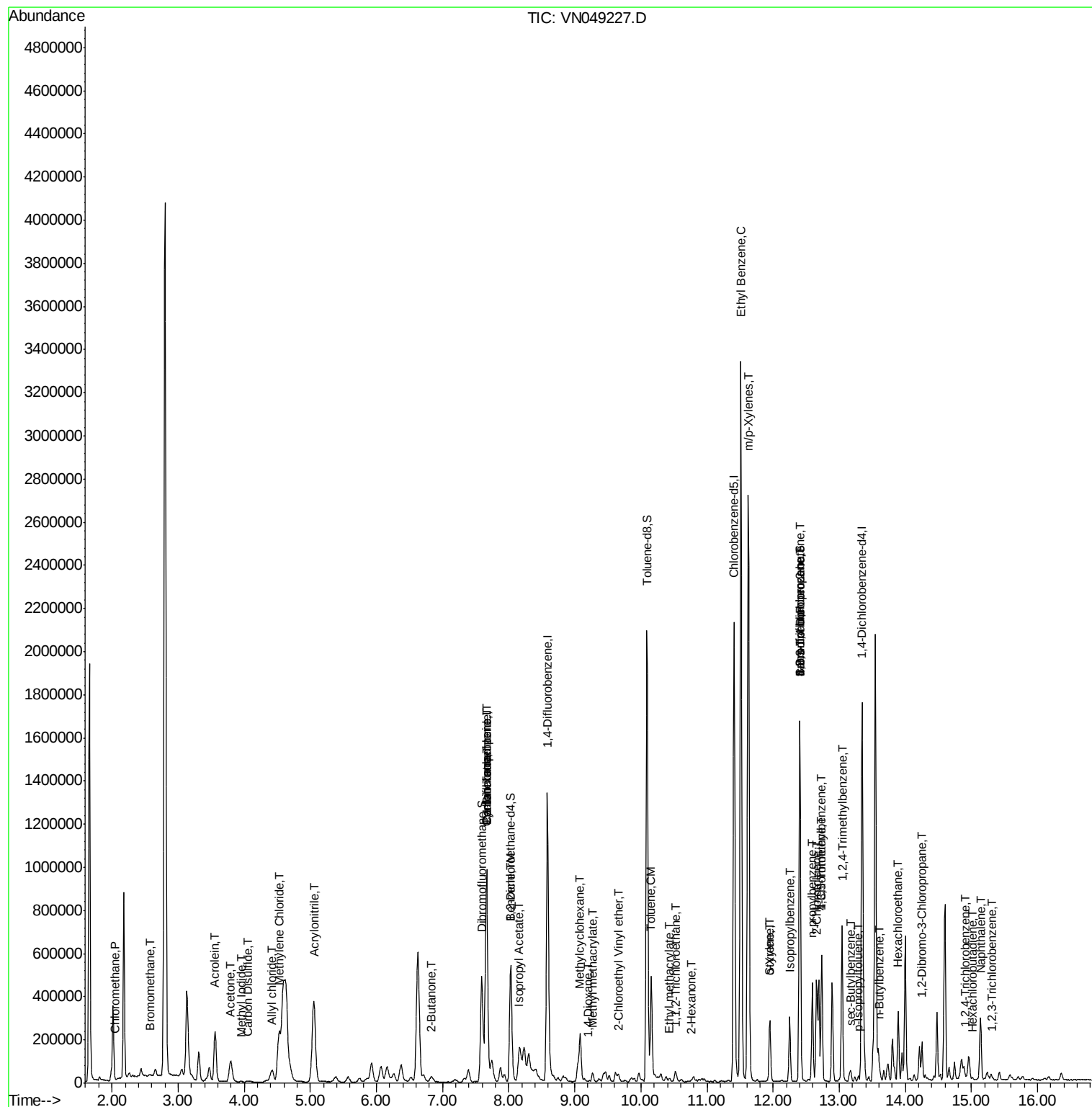
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
79) 2-Chlorotoluene	12.66	91	37216	1.15	ug/l #	45
80) 1,3,5-Trimethylbenzene	12.73	105	313093	8.83	ug/l	99
81) trans-1,4-Dichloro-2-buten	12.40	75	292603	101.54	ug/l #	8
82) 4-Chlorotoluene	12.73	91	31303	1.02	ug/l #	42
84) 1,2,4-Trimethylbenzene	13.04	105	406206	11.53	ug/l	100
85) sec-Butylbenzene	13.17	105	29296	0.72	ug/l #	69
86) p-Isopropyltoluene	13.29	119	11039	0.33	ug/l #	74
89) n-Butylbenzene	13.62	91	22482	2.31	ug/l #	76
90) Hexachloroethane	13.89	117	18562	1.09	ug/l #	9
92) 1,2-Dibromo-3-Chloropropan	14.25	75	588	0.37	ug/l #	4
93) 1,2,4-Trichlorobenzene	14.91	180	1346	4.54	ug/l #	42
94) Hexachlorobutadiene	15.02	225	2061	0.38	ug/l	90
95) Naphthalene	15.14	128	246179	18.54	ug/l	99
96) 1,2,3-Trichlorobenzene	15.32	180	1685	0.24	ug/l #	74

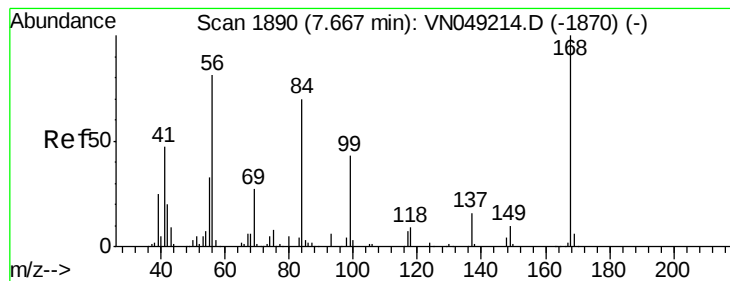
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: VN049227.D

Acq: 14 Jun 2018 14:59

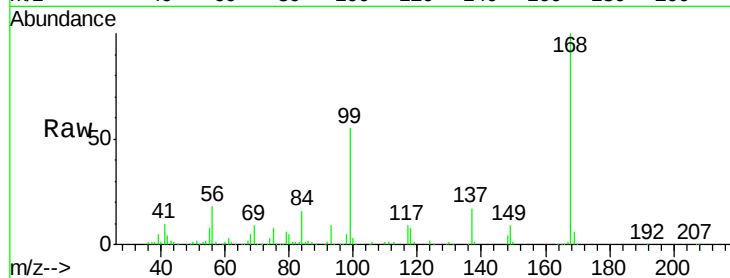
Instrument :
MSVOA_N
ClientSampleId :

Tot Ion:168 Resp: 642480

Ion Ratio Lower Upper

168 100

99 55.2 45.8 68.6



Abundance Ion 167.90 (167.60 to 168.60): V

Ion 98.90 (98.60 to 99.60): VNO

7.67

250000

200000

150000

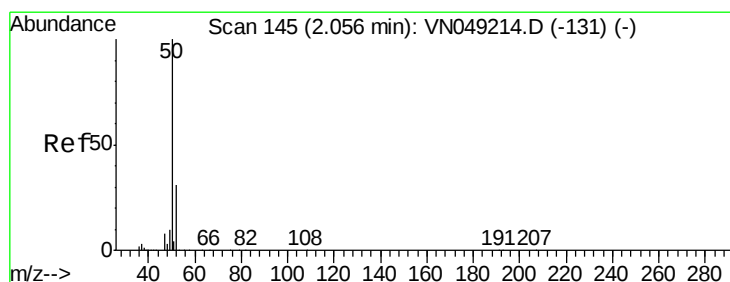
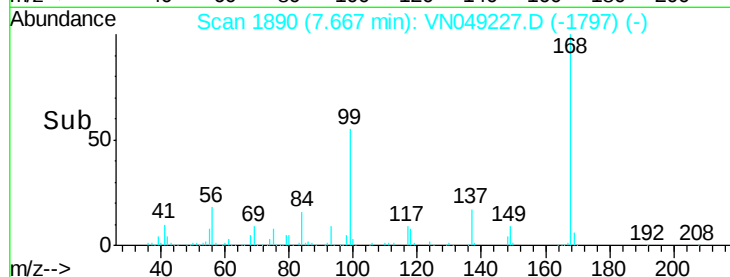
100000

50000

0

Time-->

7.60 7.70 7.80



#3

Chloromethane

Concen: 0.21 ug/l

RT: 2.05 min Scan# 144

Delta R.T. -0.00 min

Lab File: VN049227.D

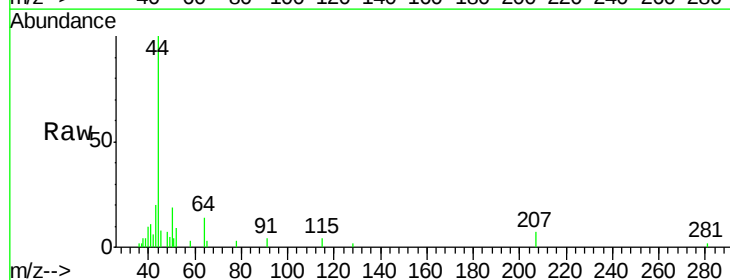
Acq: 14 Jun 2018 14:59

Tgt Ion: 50 Resp: 1972

Ion Ratio Lower Upper

50 100

52 51.8 25.2 37.8#



Abundance Ion 49.90 (49.60 to 50.60): VNO

Ion 51.90 (51.60 to 52.60): VNO

2000

1500

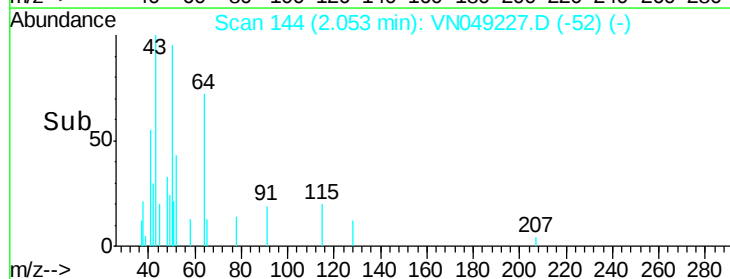
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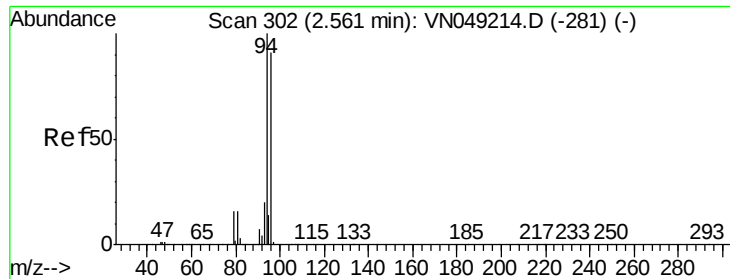
500

0

Time-->

2.02 2.04 2.06 2.08 2.10





#5

Bromomethane

Concen: 0.45 ug/l

RT: 2.57 min Scan# 306

Delta R.T. 0.01 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

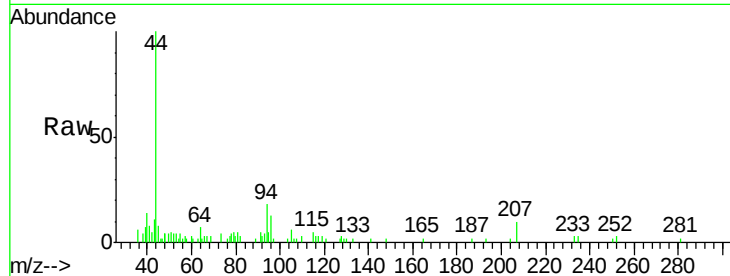
ClientSampleId :

Tot Ion: 94 Resp: 3776

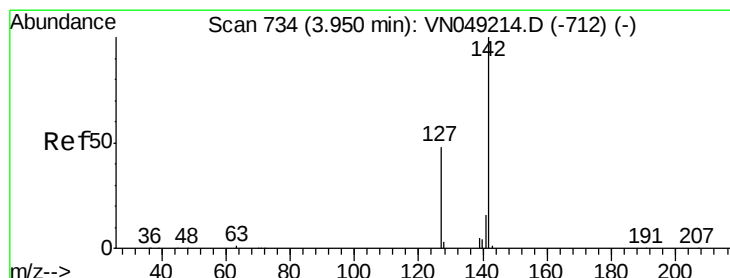
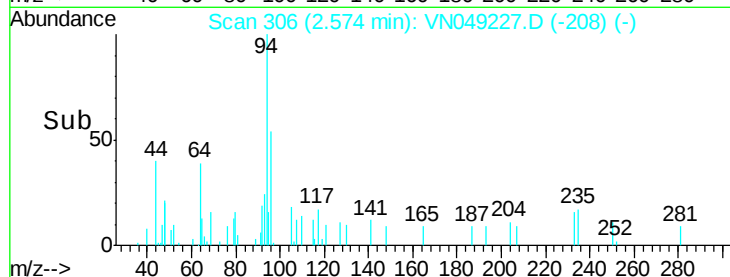
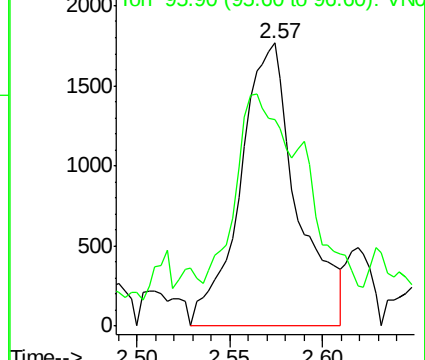
Ion Ratio Lower Upper

94 100

96 52.7 72.8 109.2#



Abundance Ion 93.90 (93.60 to 94.60): VN049214.D (-281) (-)



#10

Methyl Iodide

Concen: 0.22 ug/l

RT: 3.96 min Scan# 737

Delta R.T. 0.01 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

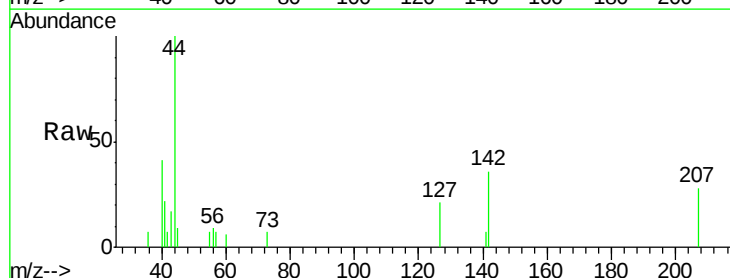
Tgt Ion: 142 Resp: 1865

Ion Ratio Lower Upper

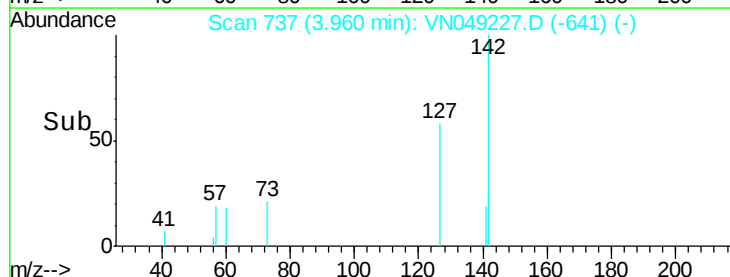
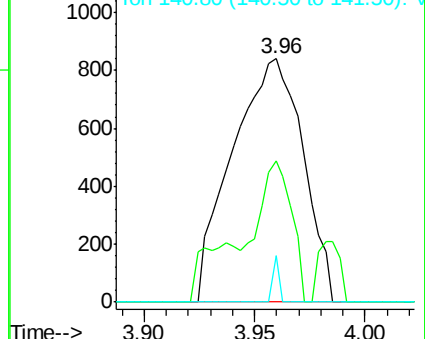
142 100

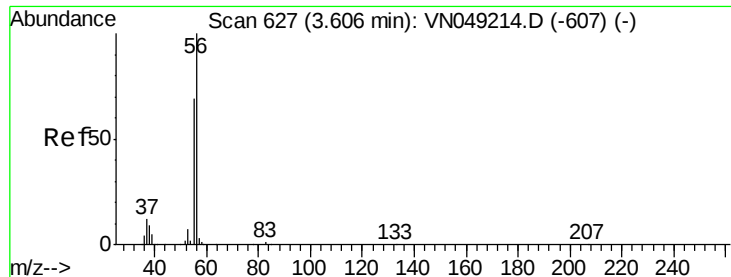
127 27.8 38.2 57.4#

141 1.7 11.9 17.9#



Abundance Ion 141.80 (141.50 to 142.50): VN049214.D (-712) (-)





#13

Acrolein

Concen: 12.34 ug/l

RT: 3.56 min Scan# 612

Delta R.T. -0.05 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

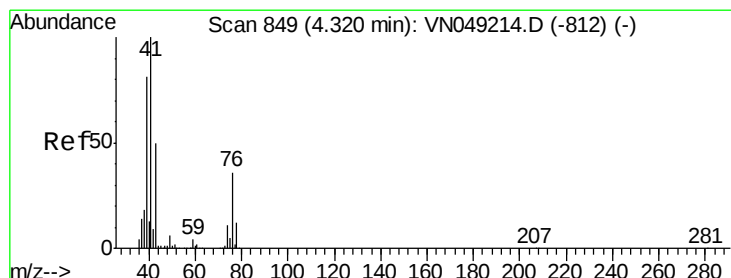
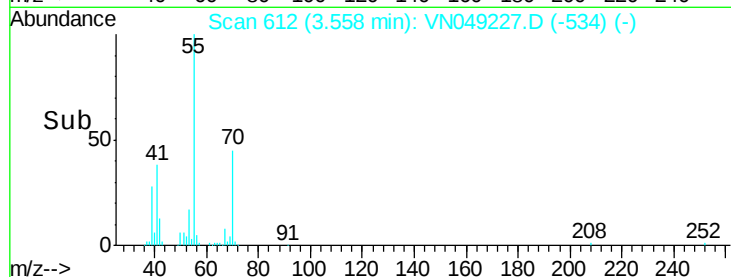
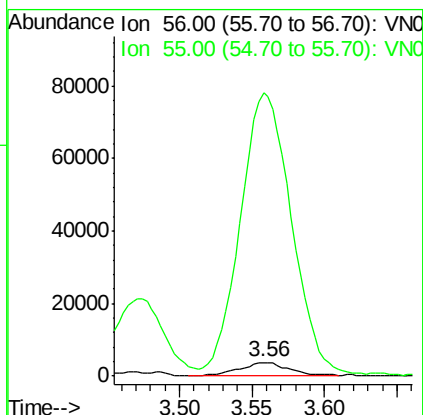
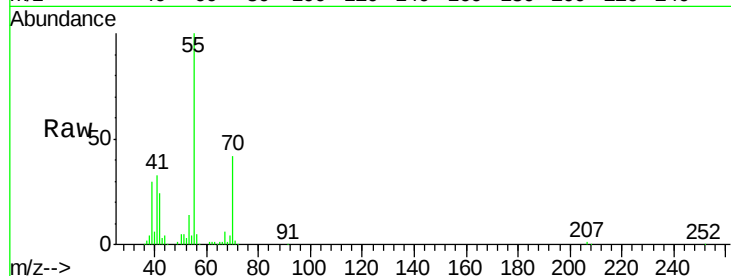
ClientSampled :

Tot Ion: 56 Resp: 9497

Ion Ratio Lower Upper

56 100

55 1994.8 57.1 85.7#



#14

Allyl chloride

Concen: 1.10 ug/l

RT: 4.41 min Scan# 877

Delta R.T. 0.09 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

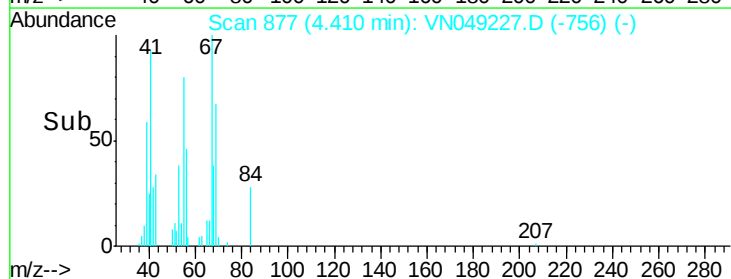
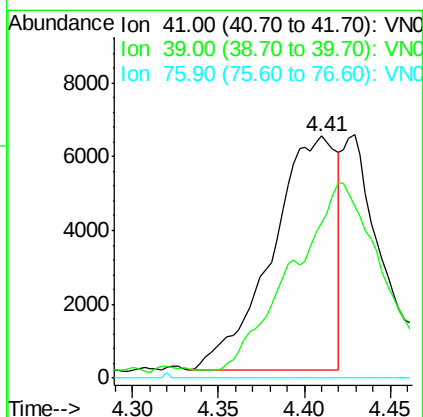
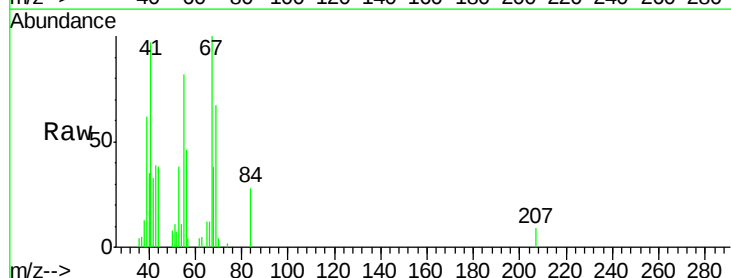
Tgt Ion: 41 Resp: 16510

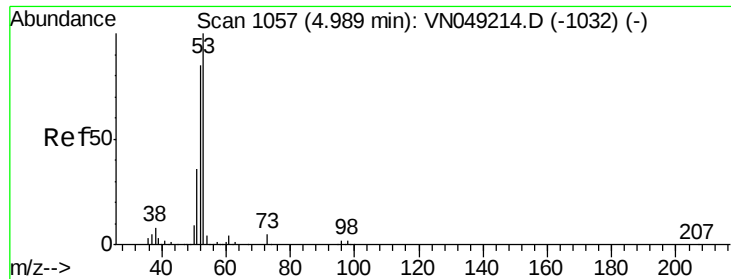
Ion Ratio Lower Upper

41 100

39 105.9 62.5 93.7#

76 0.0 27.1 40.7#





#15

Acrylonitrile

Concen: 5.01 ug/l

RT: 5.05 min Scan# 1076

Delta R.T. 0.06 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampled :

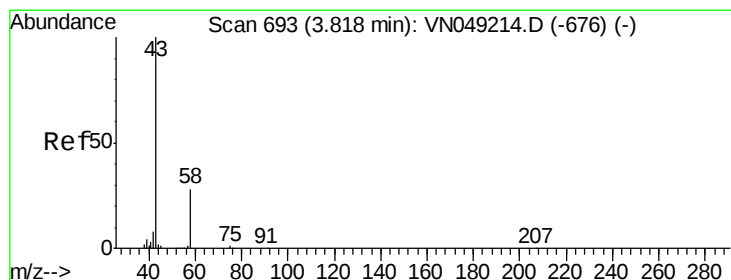
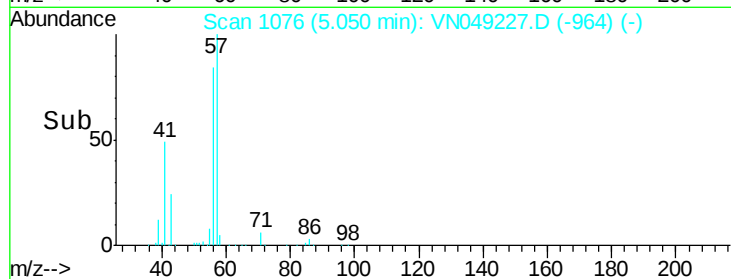
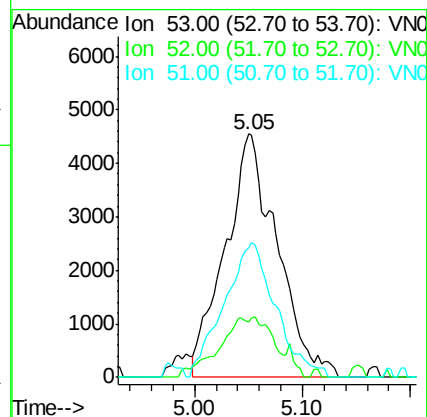
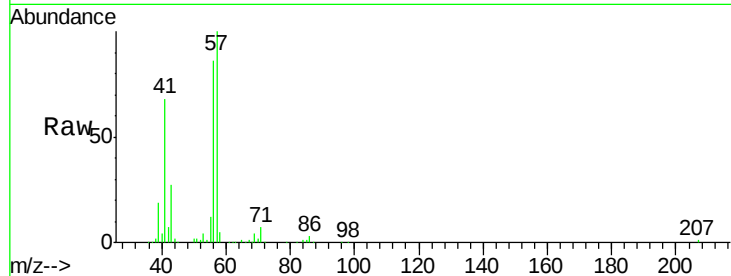
Tot Ion: 53 Resp: 15241

Ion Ratio Lower Upper

53 100

52 14.3 66.6 100.0#

51 55.0 29.8 44.8#



#16

Acetone

Concen: 27.29 ug/l

RT: 3.81 min Scan# 689

Delta R.T. -0.01 min

Lab File: VN049227.D

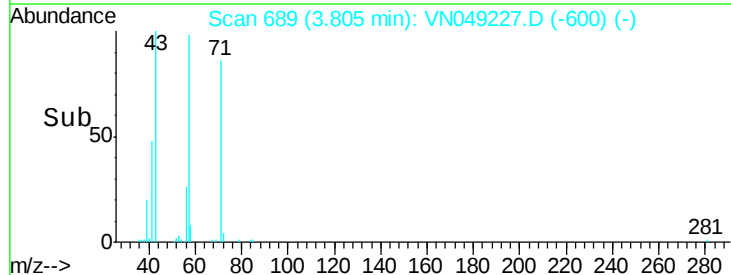
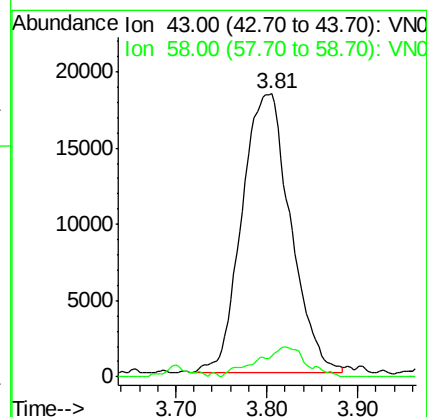
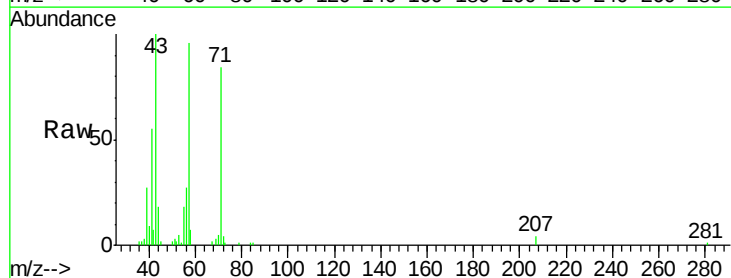
Acq: 14 Jun 2018 14:59

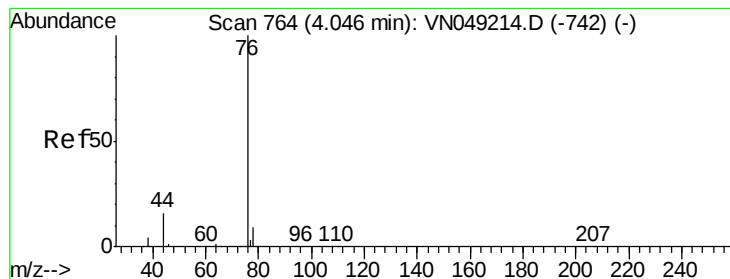
Tgt Ion: 43 Resp: 67649

Ion Ratio Lower Upper

43 100

58 7.6 22.4 33.6#





#17

Carbon Disulfide

Concen: 0.31 ug/l

RT: 4.05 min Scan# 765

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

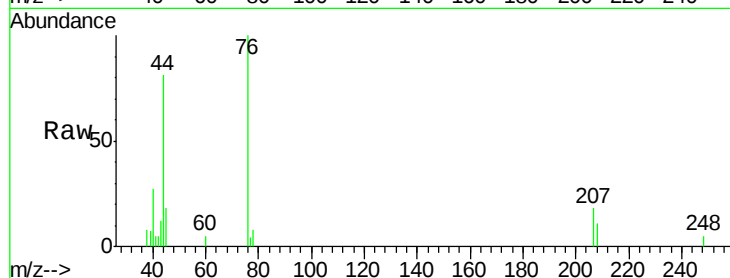
ClientSampleId :

Tot Ion: 76 Resp: 8377

Ion Ratio Lower Upper

76 100

78 8.3 7.4 11.0



Abundance Ion 75.90 (75.60 to 76.60): VNC

Ion 77.90 (77.60 to 78.60): VNC

4.05

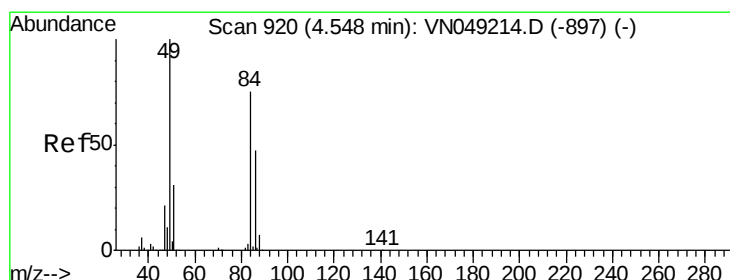
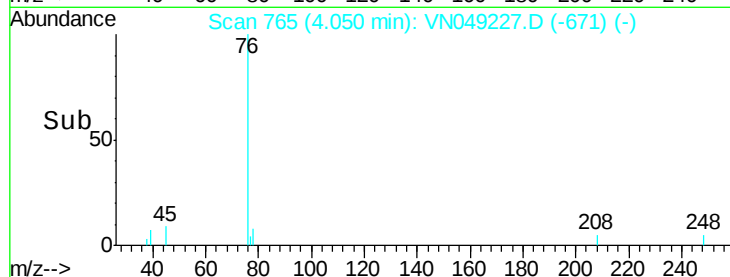
3000

2000

1000

0

Time-->



#20

Methylene Chloride

Concen: 0.35 ug/l

RT: 4.53 min Scan# 914

Delta R.T. -0.02 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Tgt Ion: 84 Resp: 3486

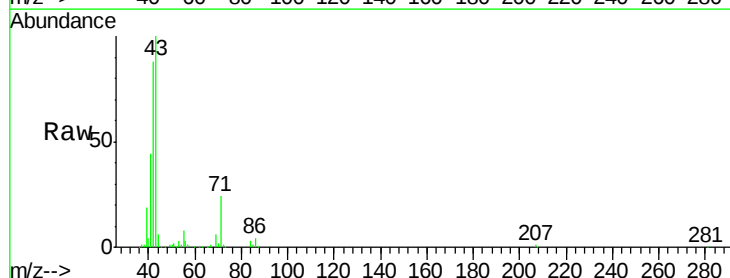
Ion Ratio Lower Upper

84 100

49 55.0 106.9 160.3#

51 74.6 32.7 49.1#

86 150.8 49.8 74.8#



Abundance Ion 83.90 (83.60 to 84.60): VNC

Ion 48.90 (48.60 to 49.60): VNC

Ion 50.90 (50.60 to 51.60): VNC

Ion 85.90 (85.60 to 86.60): VNC

4.53

6000

5000

4000

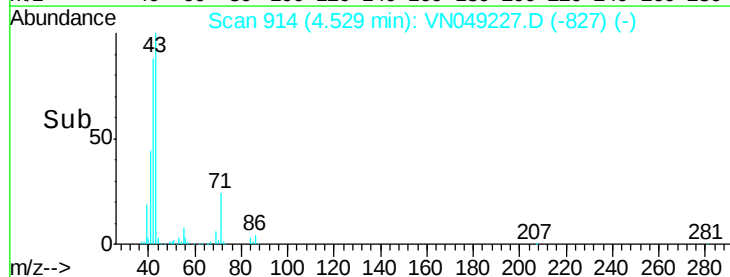
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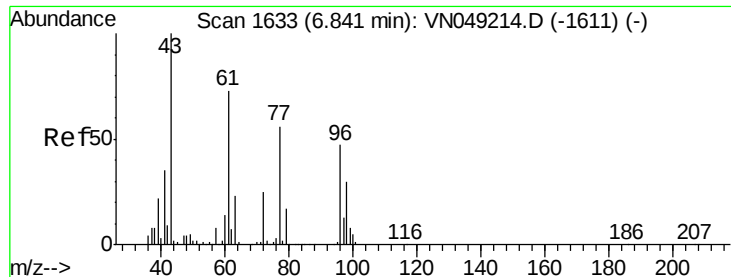
2000

1000

0

Time-->

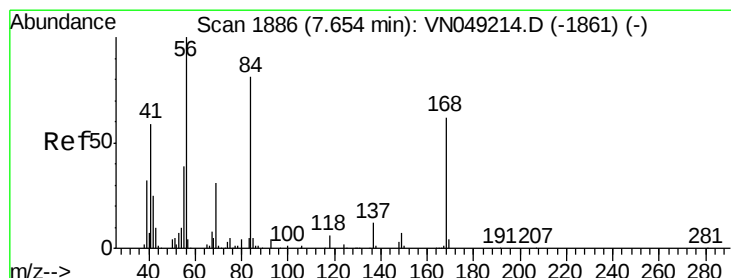
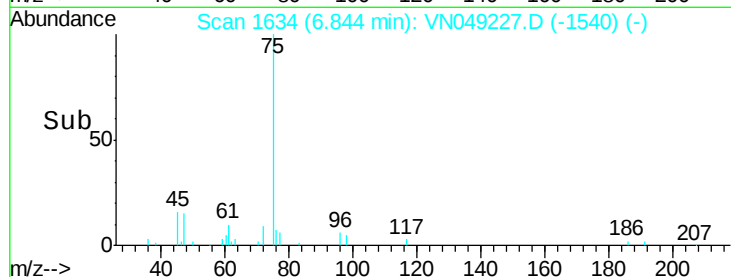
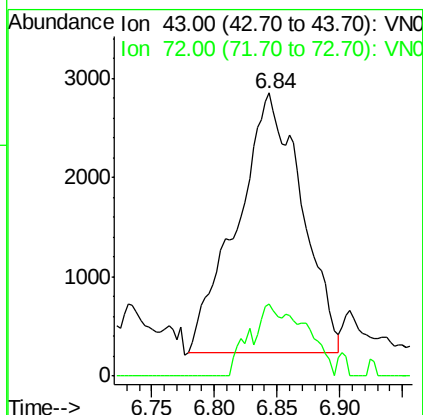
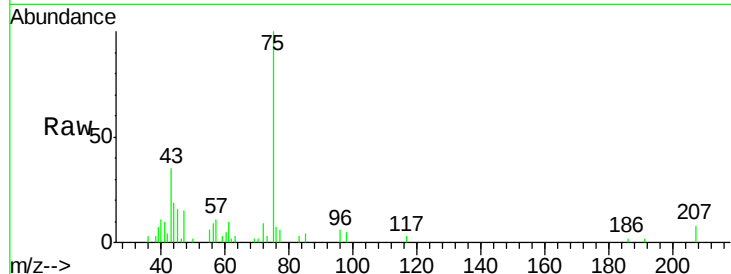




#25
2-Butanone
Concen: 2.66 ug/l
RT: 6.84 min Scan# 1634
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

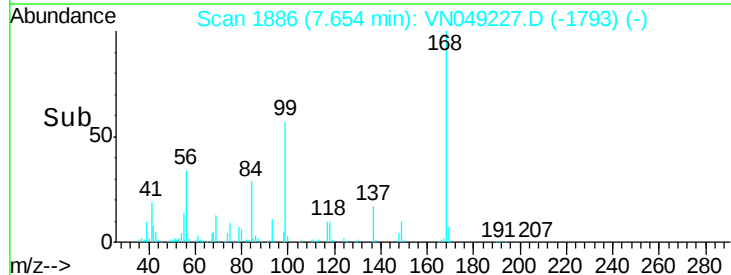
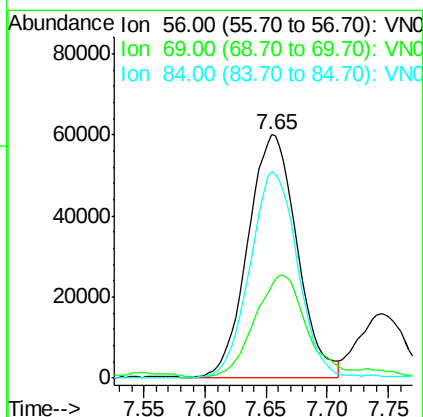
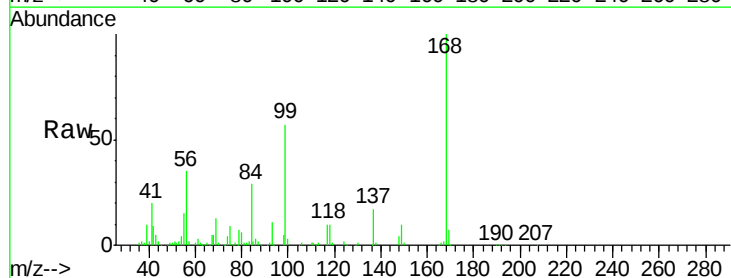
Instrument :
MSVOA_N
ClientSampled :

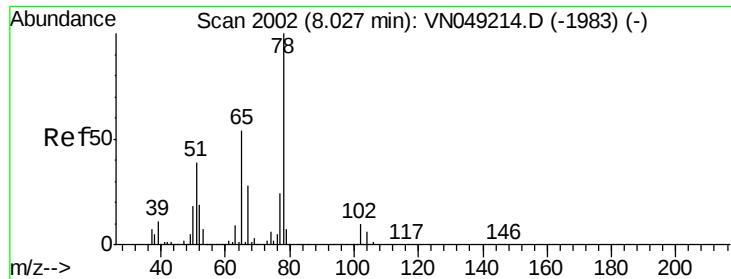
Tot Ion: 43 Resp: 9424
Ion Ratio Lower Upper
43 100
72 27.7 20.2 30.2



#31
Cyclohexane
Concen: 10.63 ug/l
RT: 7.65 min Scan# 1886
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 56 Resp: 168453
Ion Ratio Lower Upper
56 100
69 37.5 25.0 37.4#
84 84.9 64.6 96.8





#33

1,2-Dichloroethane-d4

Concen: 40.34 ug/l

RT: 8.03 min Scan# 2002

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

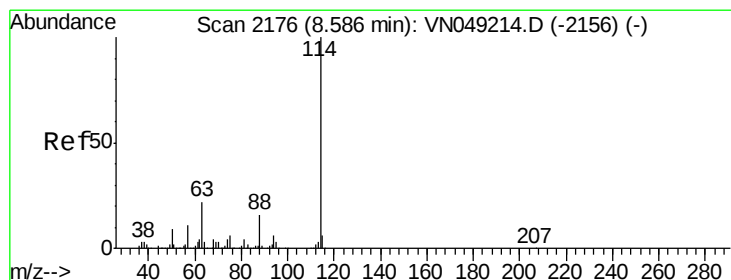
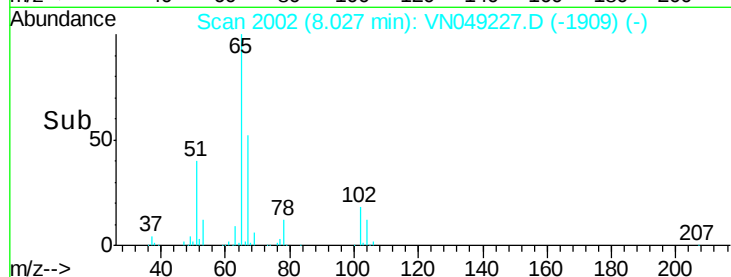
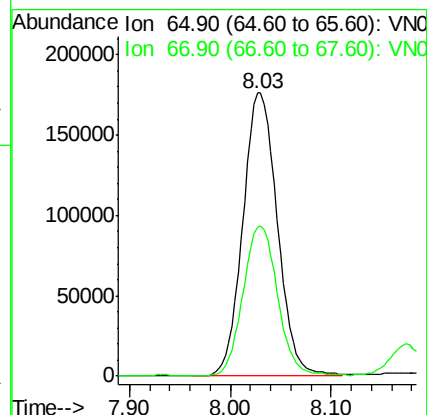
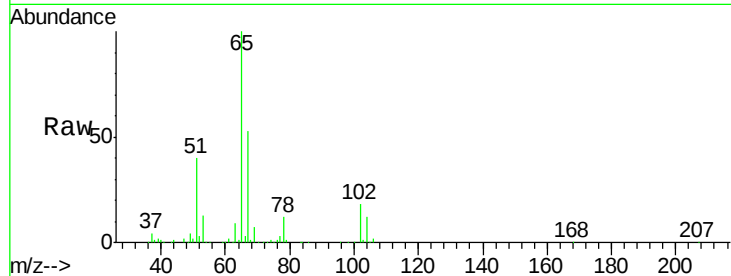
Instrument :
MSVOA_N
ClientSampled :

Tot Ion: 65 Resp: 418530

Ion Ratio Lower Upper

65 100

67 52.7 0.0 103.8



#34

1,4-Difluorobenzene

Concen: 50.00 ug/l

RT: 8.59 min Scan# 2176

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

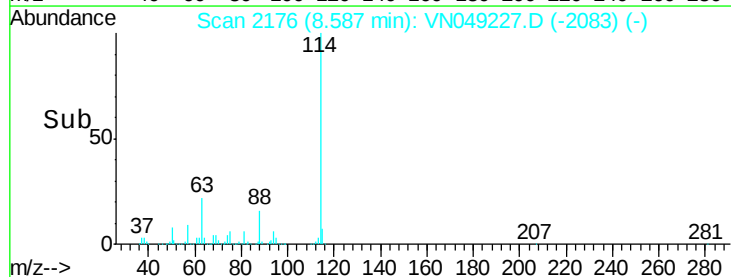
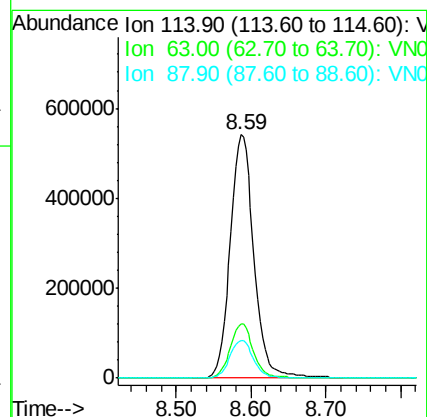
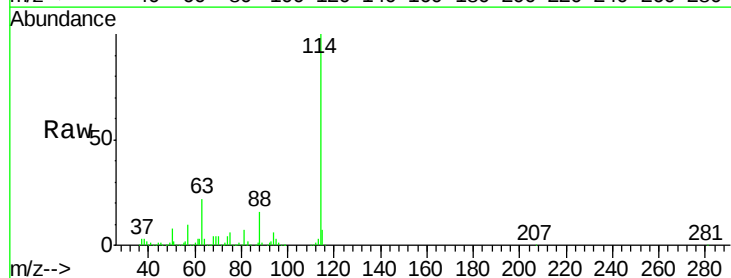
Tgt Ion: 114 Resp: 1187473

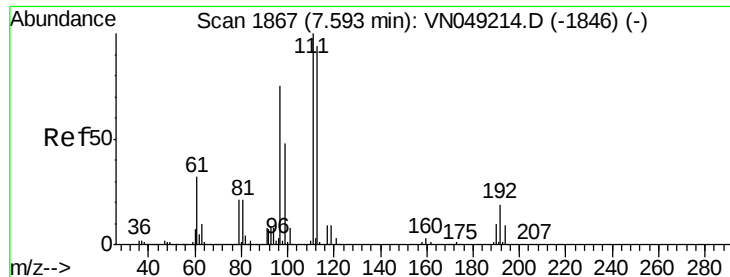
Ion Ratio Lower Upper

114 100

63 22.4 0.0 44.4

88 15.7 0.0 31.4

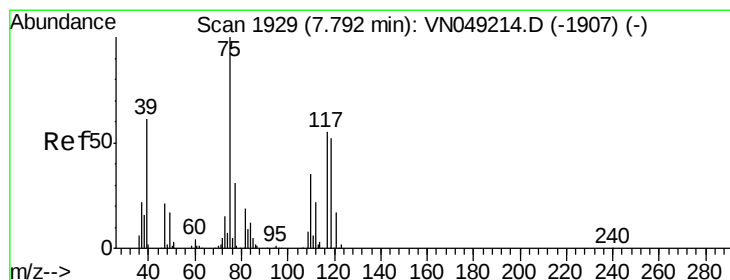
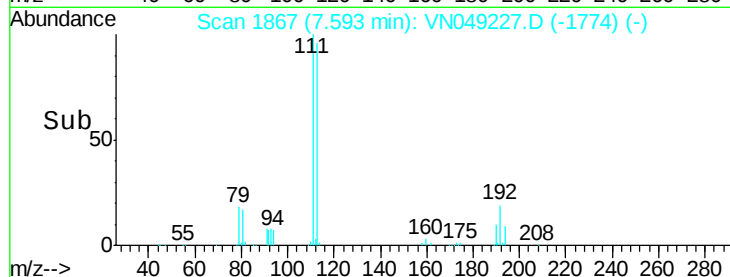
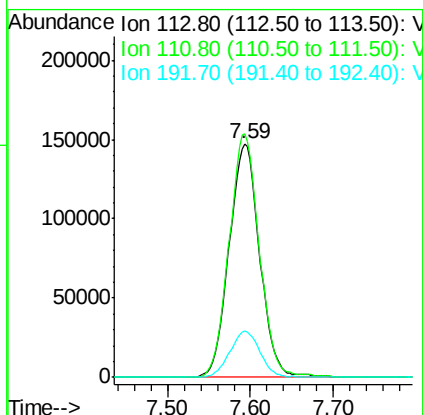
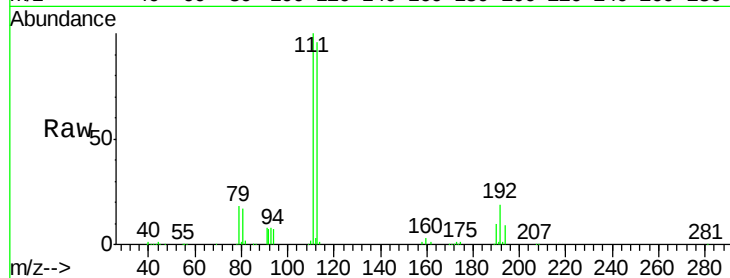




#35
 Dibromofluoromethane
 Concen: 38.38 ug/l
 RT: 7.59 min Scan# 1867
 Delta R.T. 0.00 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

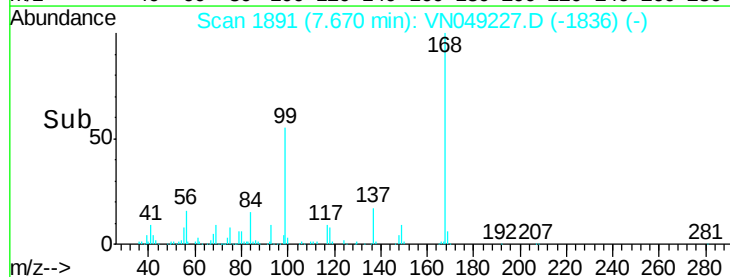
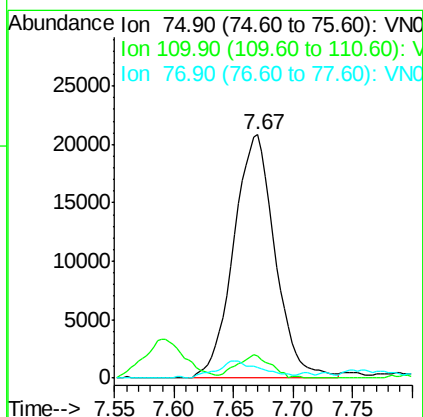
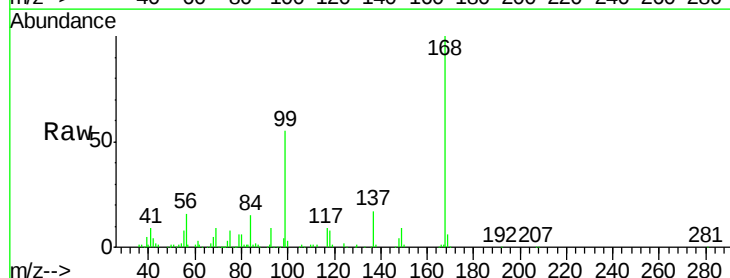
Instrument :
 MSVOA_N
 ClientSampleId :

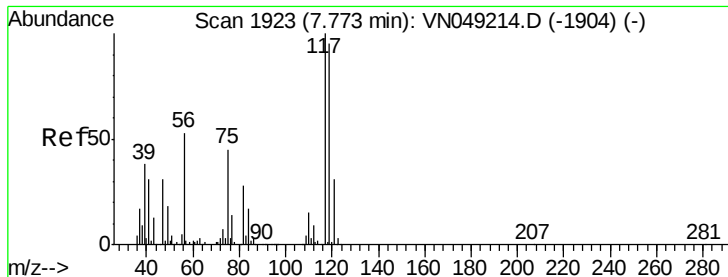
Tot Ion	Ratio	Lower	Upper
113	100		
111	102.8	82.4	123.6
192	19.4	15.0	22.6



#36
 1,1-Dichloropropene
 Concen: 3.38 ug/l
 RT: 7.67 min Scan# 1891
 Delta R.T. -0.12 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

Tgt Ion	Ratio	Lower	Upper
75	100		
110	7.0	17.0	50.9#
77	7.6	24.4	36.6#

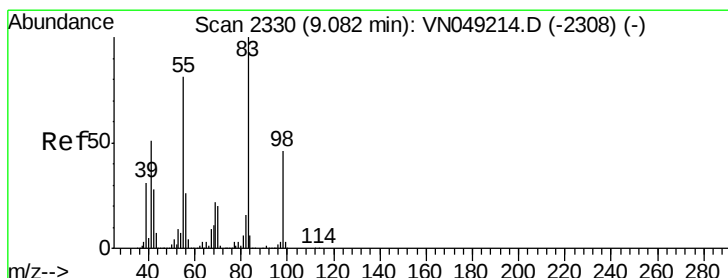
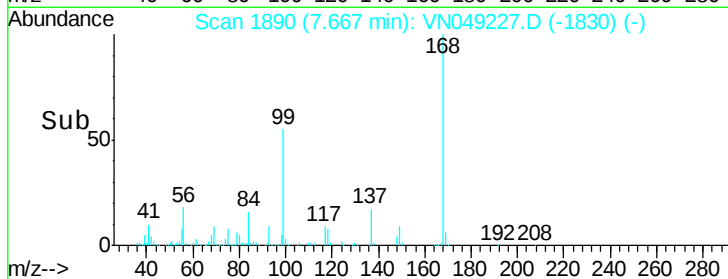
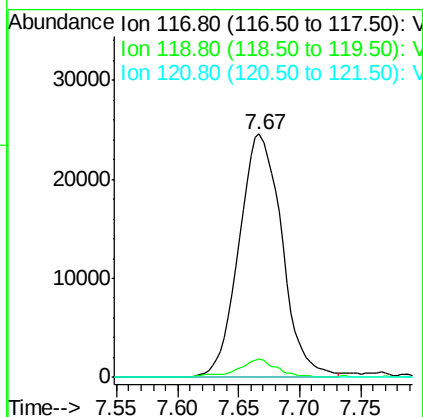
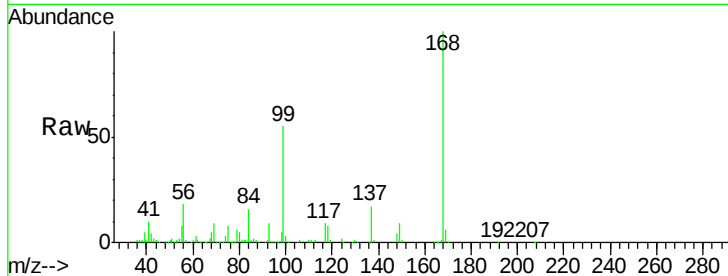




#38
Carbon Tetrachloride
Concen: 4.01 ug/l
RT: 7.67 min Scan# 1890
Delta R.T. -0.11 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

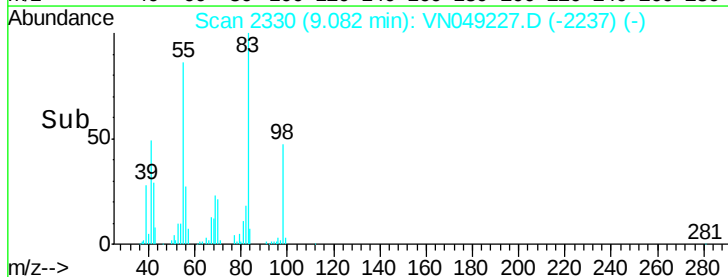
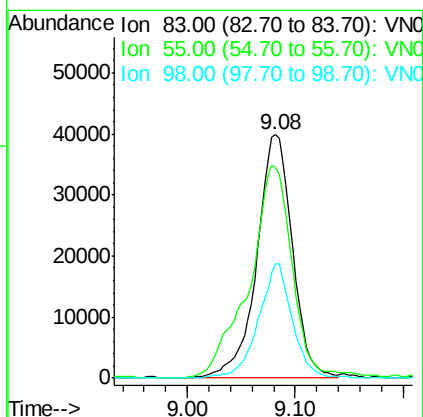
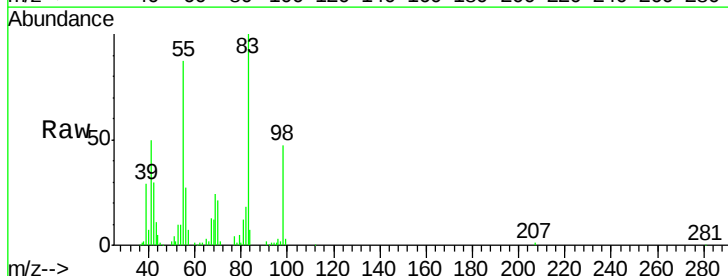
Instrument :
MSVOA_N
ClientSampleId :

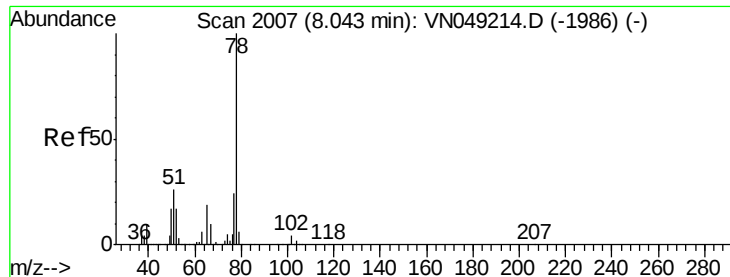
Tot Ion:117 Resp: 59966
Ion Ratio Lower Upper
117 100
119 7.7 75.6 113.4#
121 0.0 24.7 37.1#



#39
Methylcyclohexane
Concen: 5.97 ug/l
RT: 9.08 min Scan# 2330
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 83 Resp: 91459
Ion Ratio Lower Upper
83 100
55 86.1 65.1 97.7
98 47.2 36.5 54.7





#40

Benzene

Concen: 2.08 ug/l

RT: 8.04 min Scan# 2007

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

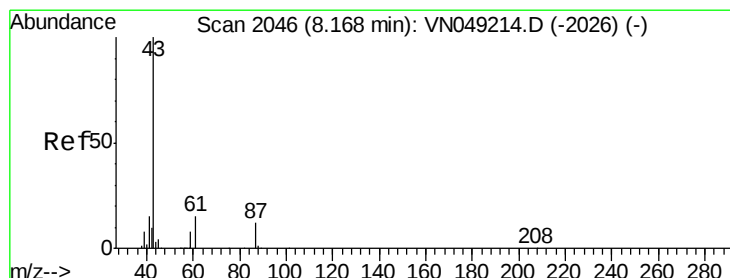
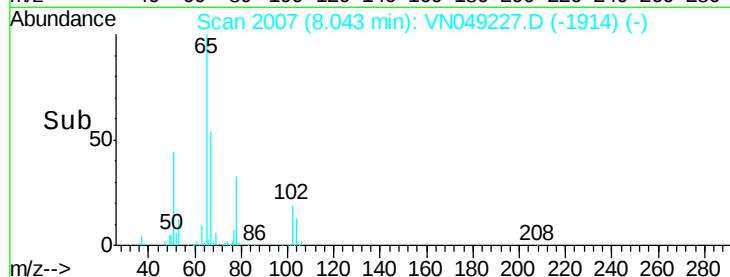
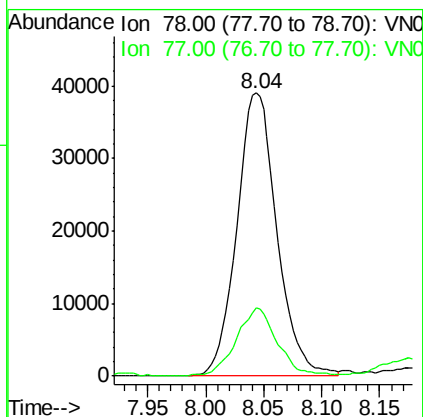
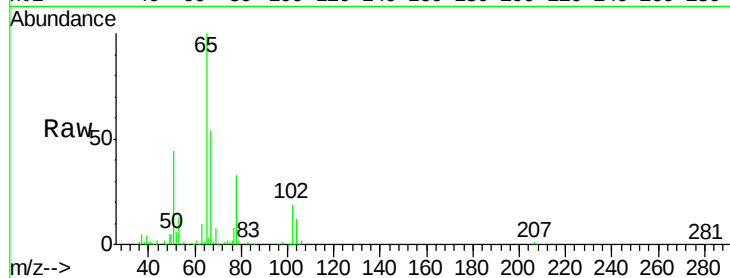
ClientSampleId :

Tot Ion: 78 Resp: 93712

Ion Ratio Lower Upper

78 100

77 24.2 19.4 29.0



#43

Isopropyl Acetate

Concen: 0.72 ug/l

RT: 8.15 min Scan# 2039

Delta R.T. -0.02 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

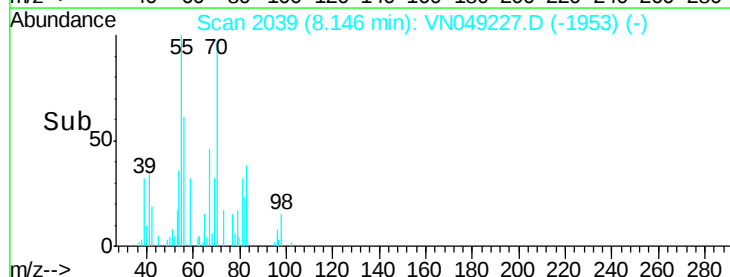
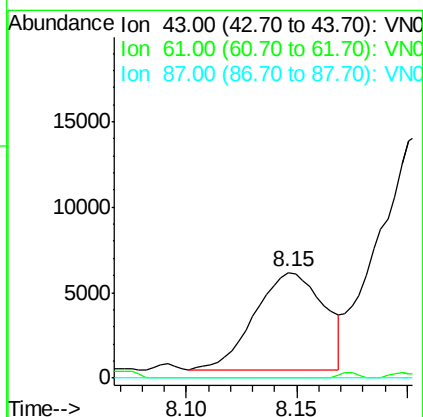
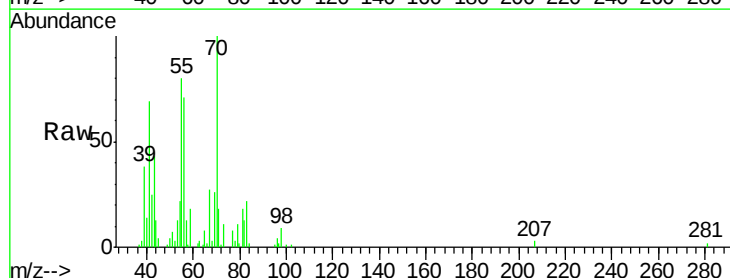
Tgt Ion: 43 Resp: 12360

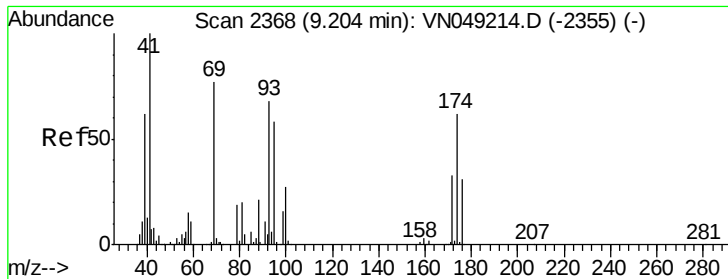
Ion Ratio Lower Upper

43 100

61 0.0 14.2 21.4#

87 0.0 9.4 14.0#

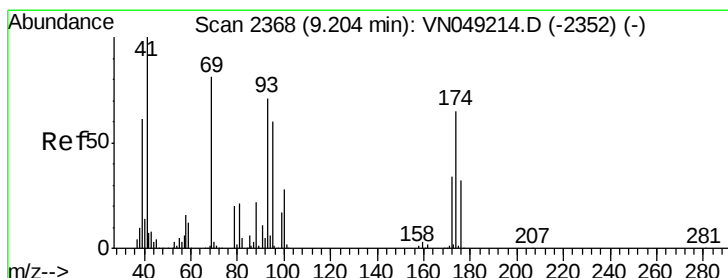
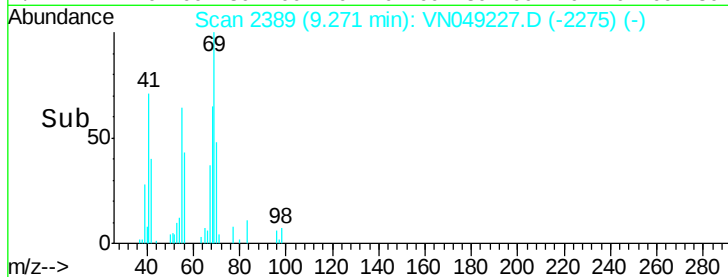
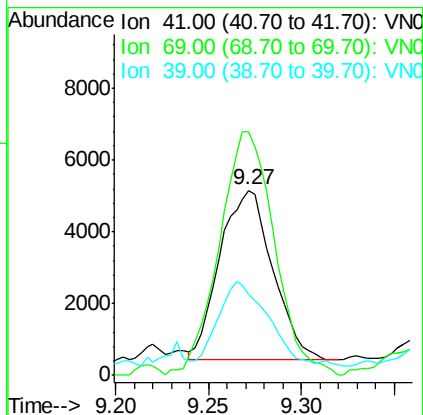
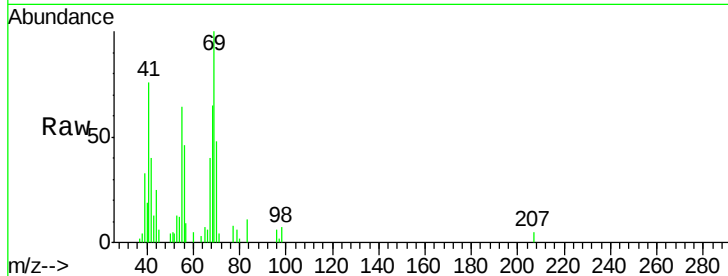




#48
Methvl methacrylate
Concen: 1.11 ug/l
RT: 9.27 min Scan# 2389
Delta R.T. 0.07 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

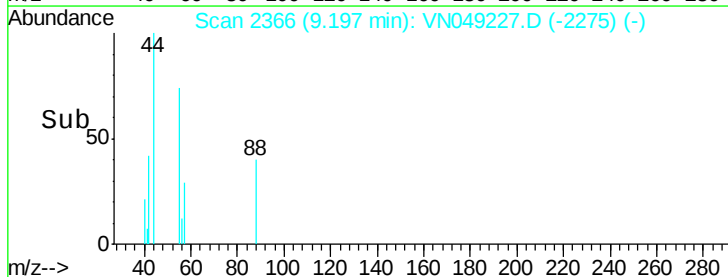
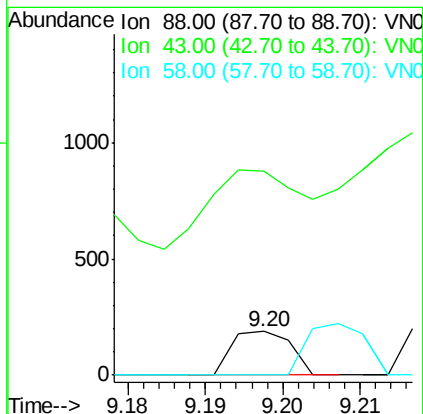
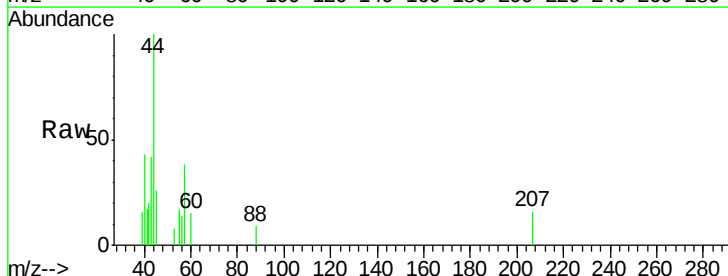
Instrument :
MSVOA_N
ClientSampled :

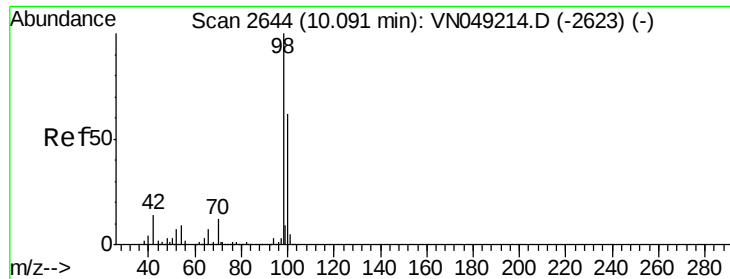
Tot Ion: 41 Resp: 9377
Ion Ratio Lower Upper
41 100
69 149.6 62.0 93.0#
39 47.2 50.6 75.8#



#49
1,4-Dioxane
Concen: 1.01 ug/l
RT: 9.20 min Scan# 2366
Delta R.T. -0.01 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 88 Resp: 100
Ion Ratio Lower Upper
88 100
43 304.0 30.9 46.3#
58 0.0 58.9 88.3#

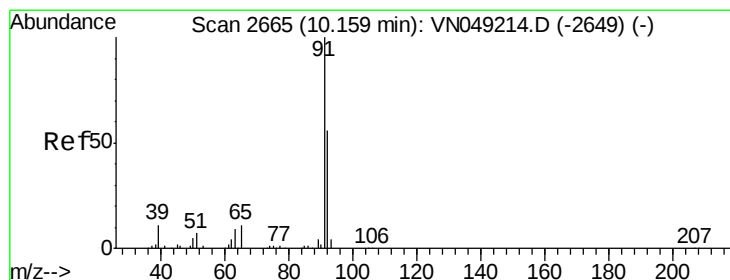
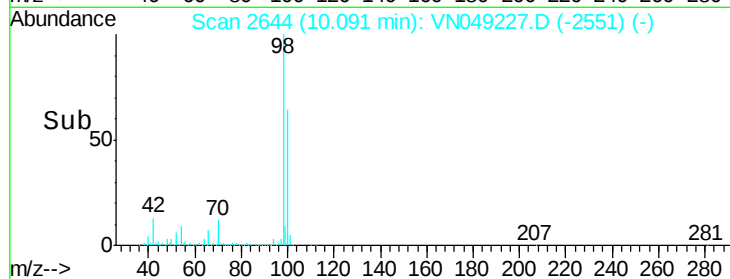
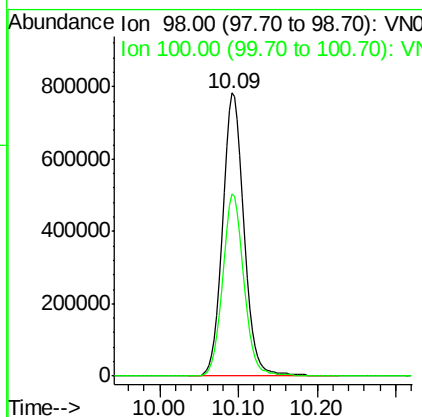
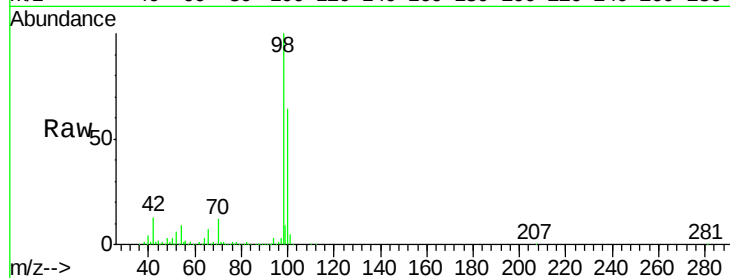




#50
Toluene-d8
Concen: 38.37 ug/l
RT: 10.09 min Scan# 2644
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

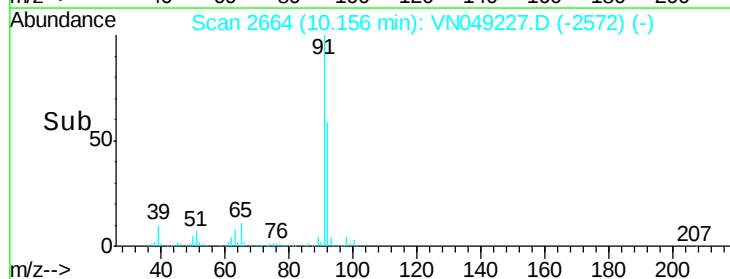
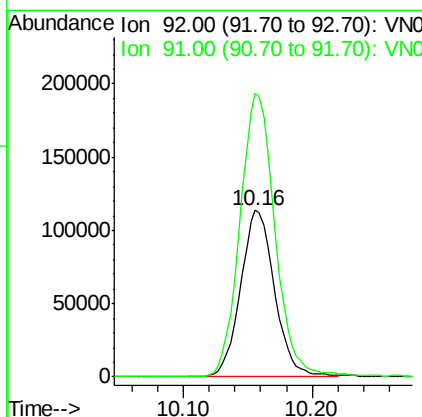
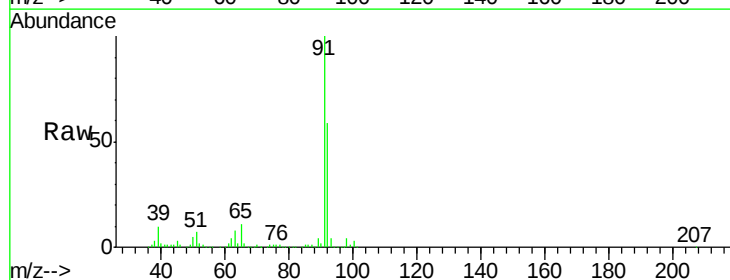
Instrument :
MSVOA_N
ClientSampled :

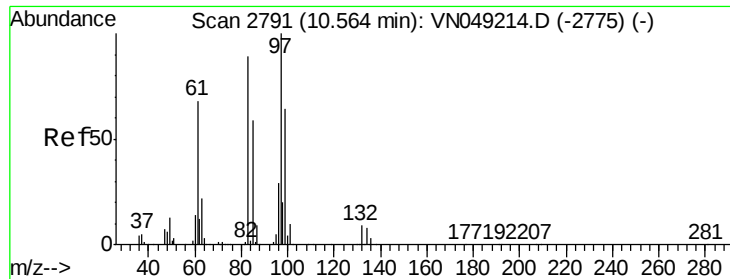
Tot Ion: 98 Resp: 1466999
Ion Ratio Lower Upper
98 100
100 64.1 49.8 74.8



#52
Toluene
Concen: 7.98 ug/l
RT: 10.16 min Scan# 2664
Delta R.T. -0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 92 Resp: 208789
Ion Ratio Lower Upper
92 100
91 175.0 143.4 215.2

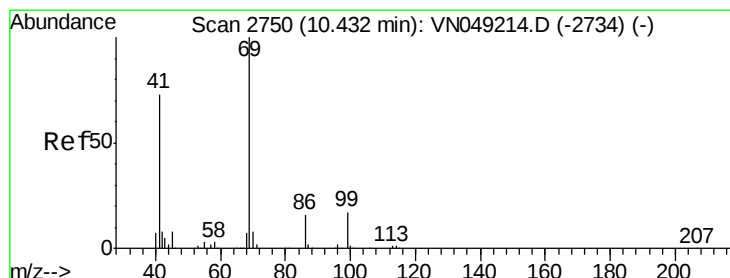
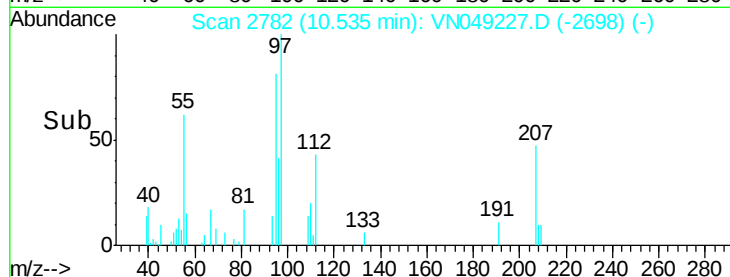
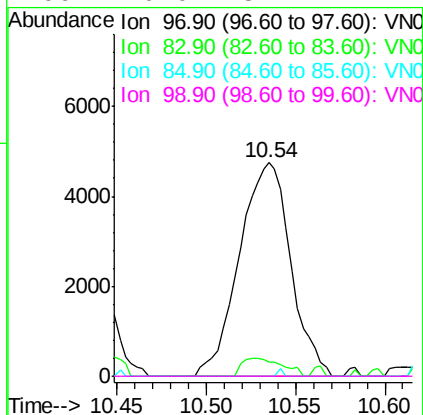
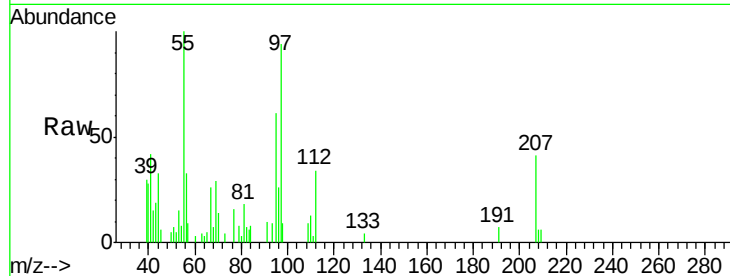




#55
 1,1,2-Trichloroethane
 Concen: 0.99 ug/l
 RT: 10.54 min Scan# 2782
 Delta R.T. -0.03 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

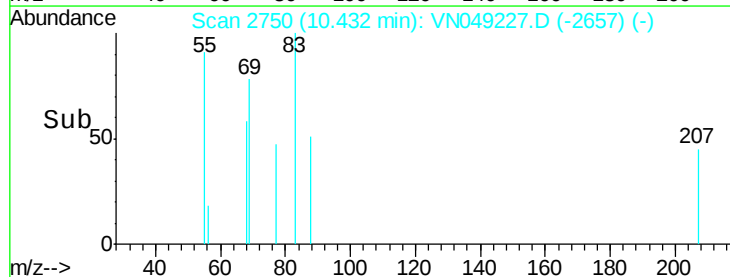
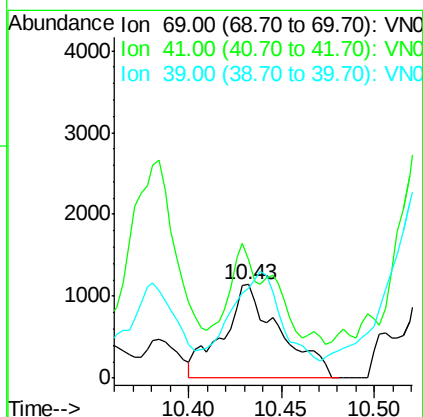
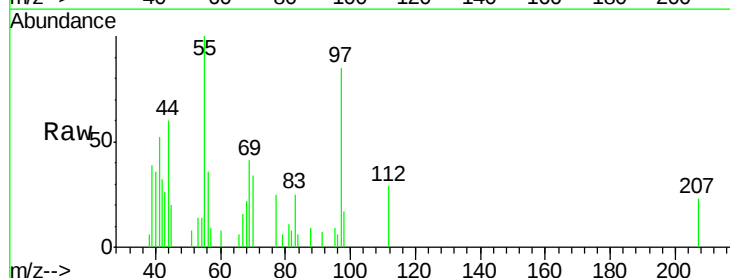
Instrument :
 MSVOA_N
 ClientSampleId :

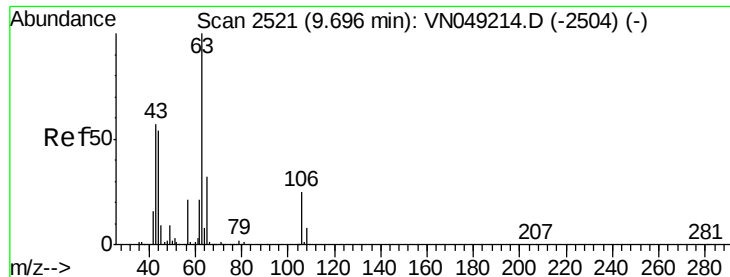
Tot Ion: 97 Resp: 9534
 Ion Ratio Lower Upper
 97 100
 83 6.9 71.5 107.3#
 85 0.0 47.0 70.4#
 99 0.0 51.4 77.2#



#56
 Ethyl methacrylate
 Concen: 0.21 ug/l
 RT: 10.43 min Scan# 2750
 Delta R.T. 0.00 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

Tgt Ion: 69 Resp: 2431
 Ion Ratio Lower Upper
 69 100
 41 39.0 58.4 87.6#
 39 78.9 35.5 53.3#

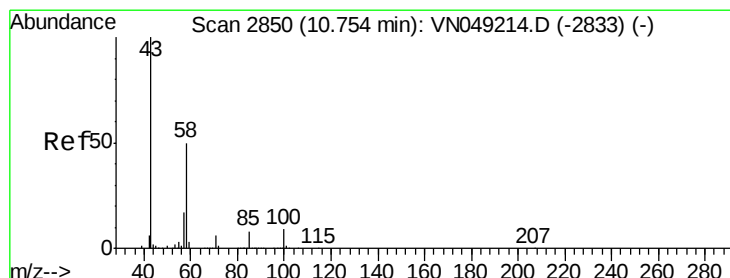
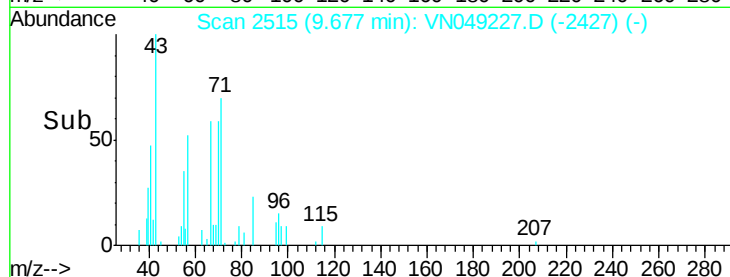
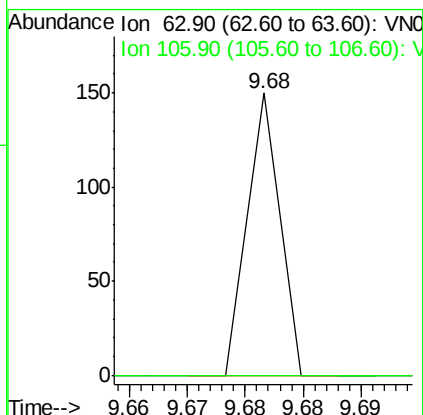
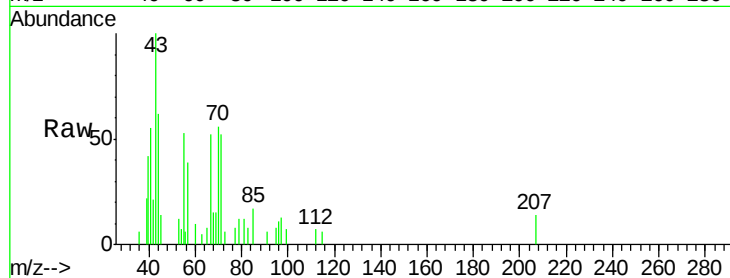




#58
 2-Chloroethyl Vinyl ether
 Concen: 13.19 ug/l
 RT: 9.68 min Scan# 2515
 Delta R.T. -0.02 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

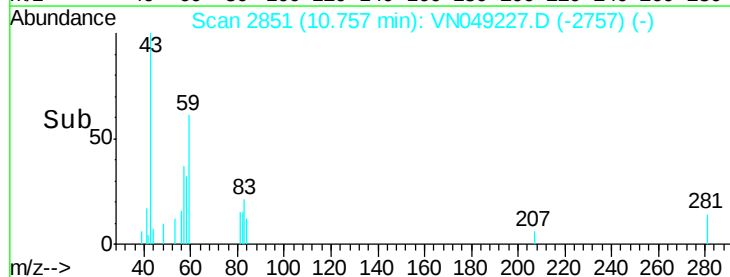
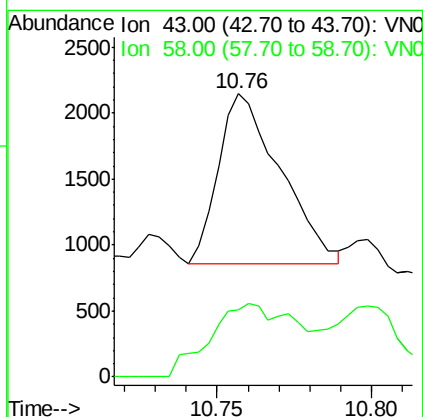
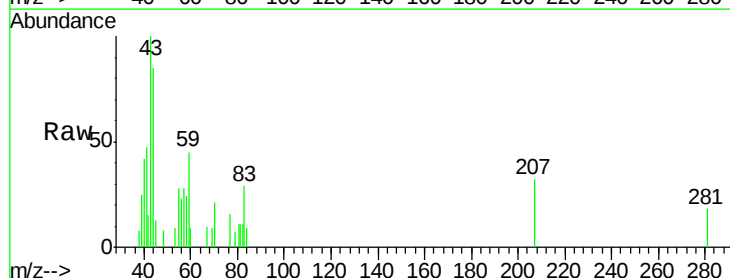
Instrument :
 MSVOA_N
 ClientSampled :

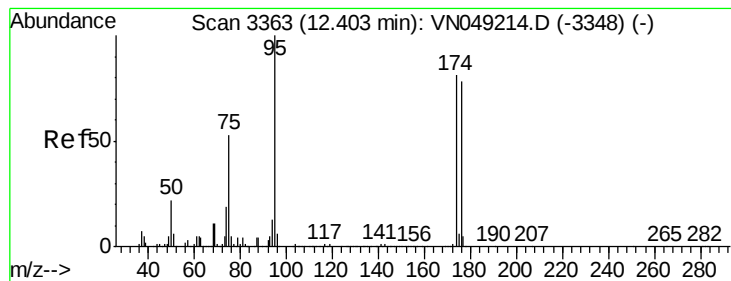
Tot Ion: 63 Resp: 29
 Ion Ratio Lower Upper
 63 100
 106 0.0 19.4 29.2#



#59
 2-Hexanone
 Concen: 0.31 ug/l
 RT: 10.76 min Scan# 2851
 Delta R.T. 0.00 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

Tgt Ion: 43 Resp: 1789
 Ion Ratio Lower Upper
 43 100
 58 62.4 25.2 75.6





#62

4-Bromofluorobenzene

Concen: 45.22 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampled :

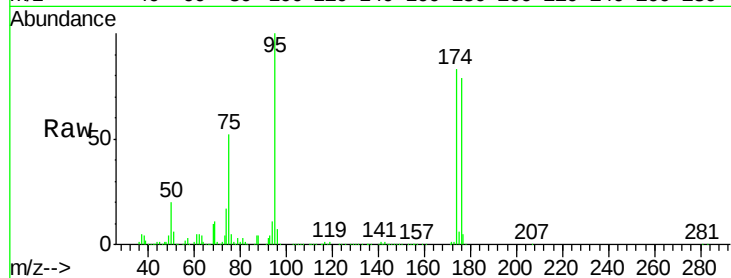
Tot Ion: 95 Resp: 573761

Ion Ratio Lower Upper

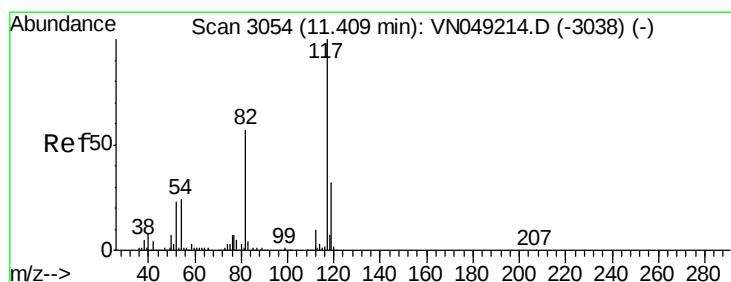
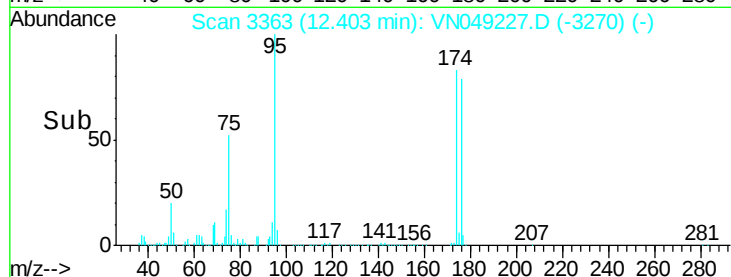
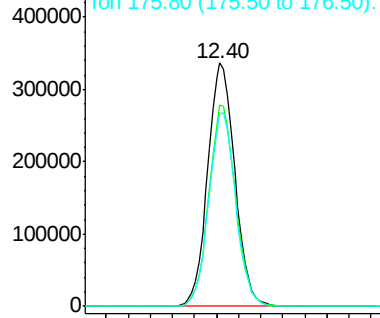
95 100

174 81.6 0.0 165.6

176 78.6 0.0 157.4



Abundance Ion 94.90 (94.60 to 95.60): VN049227.D (-3270) (-)



#63

Chlorobenzene-d5

Concen: 50.00 ug/l

RT: 11.41 min Scan# 3054

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

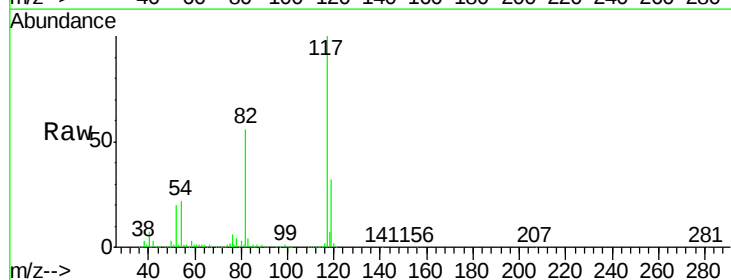
Tgt Ion: 117 Resp: 1250356

Ion Ratio Lower Upper

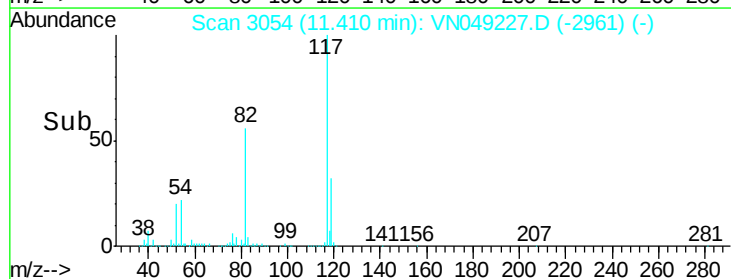
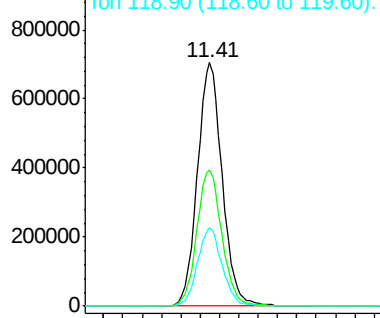
117 100

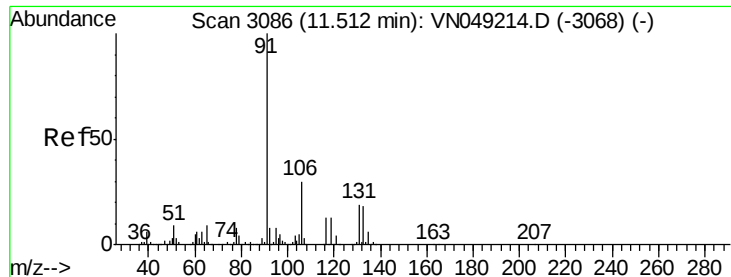
82 55.8 45.9 68.9

119 32.3 25.5 38.3



Abundance Ion 116.90 (116.60 to 117.60): VN049227.D (-2961) (-)





#67

Ethyl Benzene

Concen: 43.45 ug/l

RT: 11.51 min Scan# 3086

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

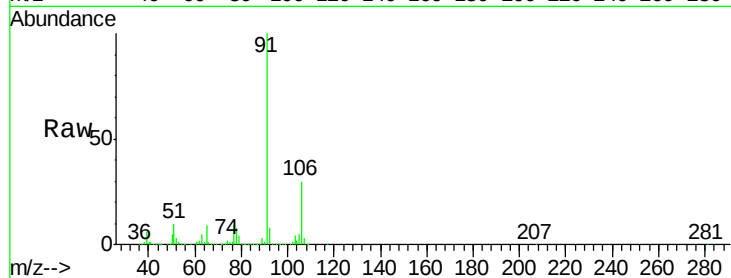
ClientSampleId :

Tot Ion: 91 Resp: 2417594

Ion Ratio Lower Upper

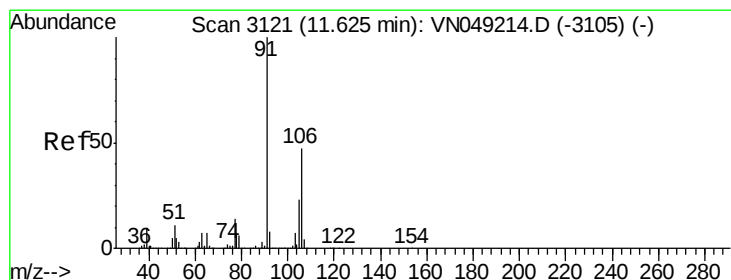
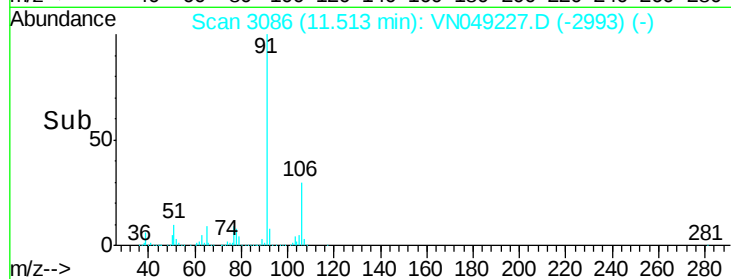
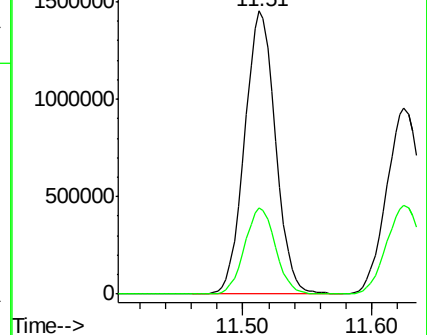
91 100

106 30.5 23.9 35.9



Abundance Ion 91.00 (90.70 to 91.70): VN049214.D (-3068) (-)

Ion 106.00 (105.70 to 106.70): VN049214.D (-3068) (-)



#68

m/p-Xylenes

Concen: 42.74 ug/l

RT: 11.63 min Scan# 3121

Delta R.T. 0.00 min

Lab File: VN049227.D

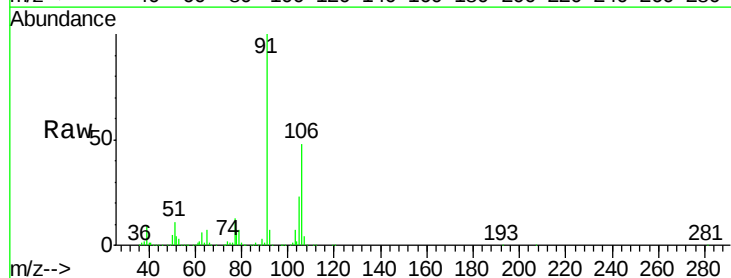
Acq: 14 Jun 2018 14:59

Tgt Ion: 106 Resp: 869676

Ion Ratio Lower Upper

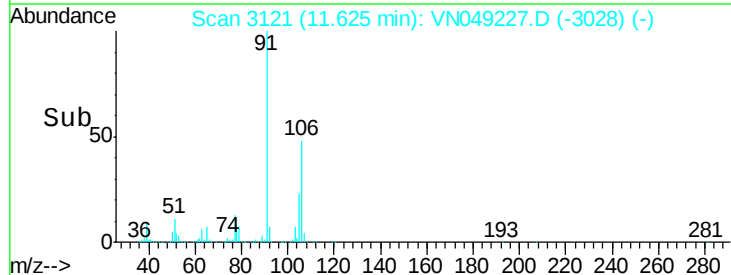
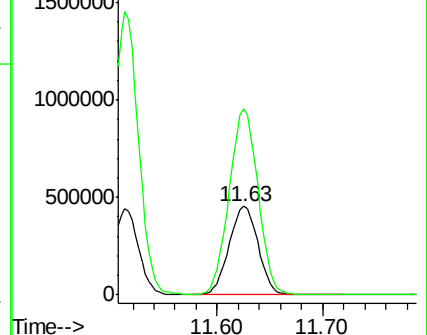
106 100

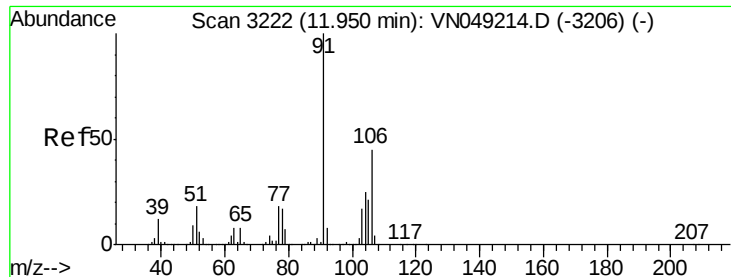
91 208.1 167.3 250.9



Abundance Ion 106.00 (105.70 to 106.70): VN049214.D (-3105) (-)

Ion 91.00 (90.70 to 91.70): VN049214.D (-3105) (-)

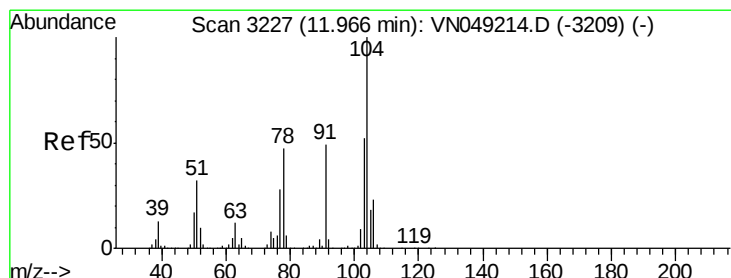
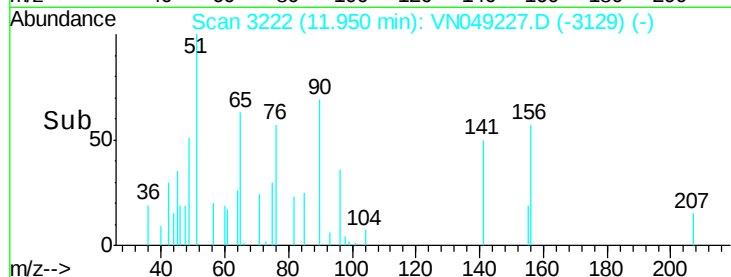
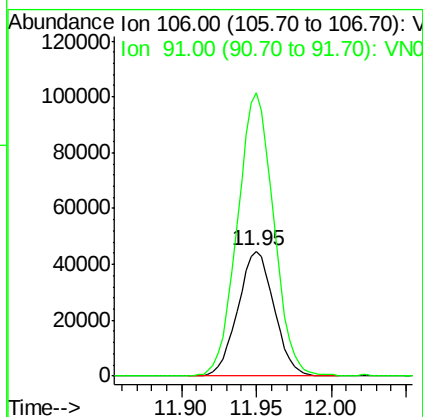
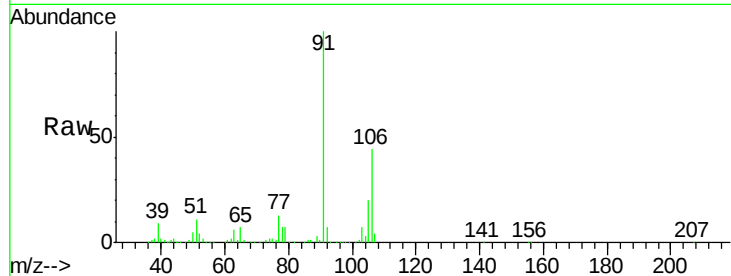




#69
o-Xylene
Concen: 3.84 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

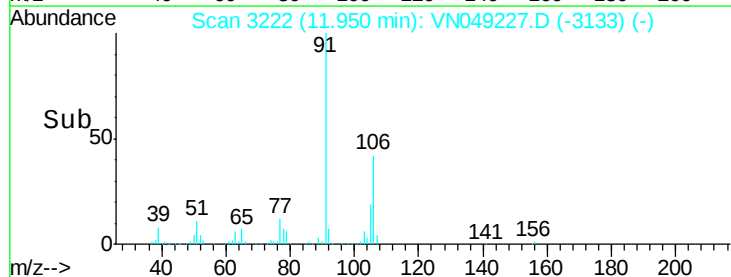
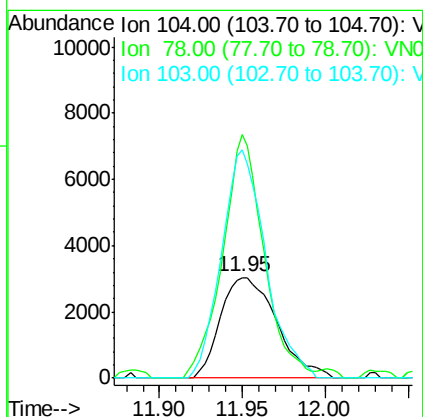
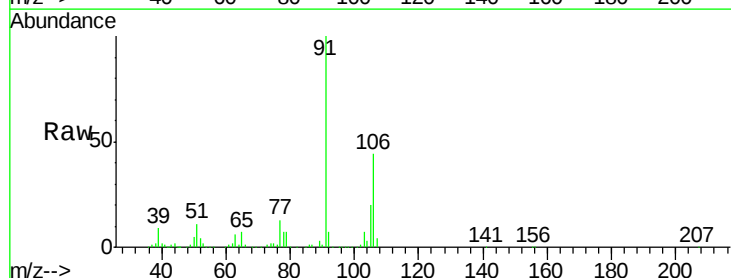
Instrument :
MSVOA_N
ClientSampled :

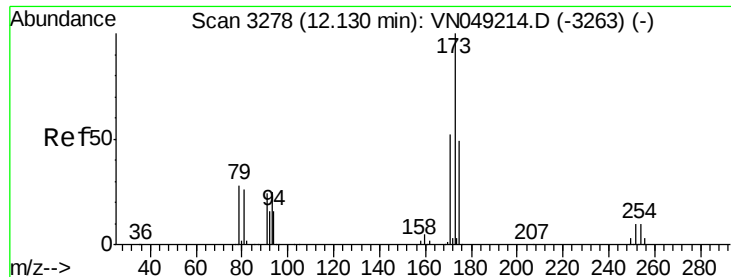
Tot Ion:106 Resp: 75271
Ion Ratio Lower Upper
106 100
91 226.0 111.0 333.0



#70
Styrene
Concen: 0.23 ug/l
RT: 11.95 min Scan# 3222
Delta R.T. -0.02 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion:104 Resp: 7165
Ion Ratio Lower Upper
104 100
78 177.6 41.6 62.4#
103 178.0 45.4 68.2#

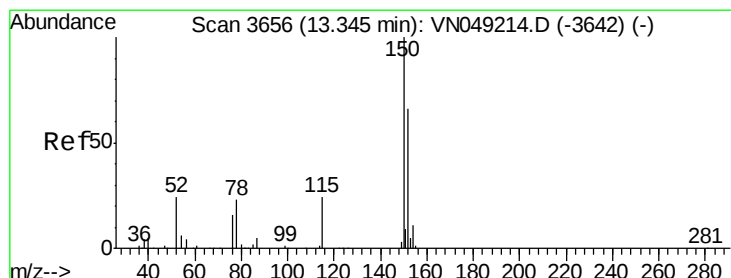
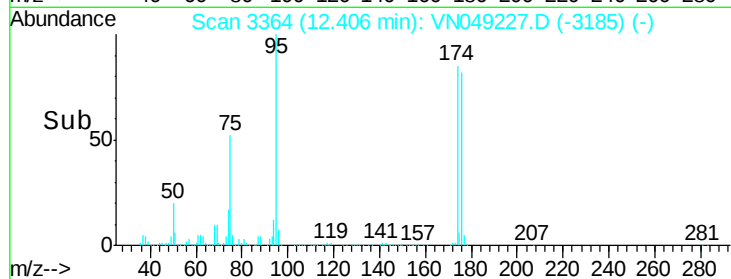
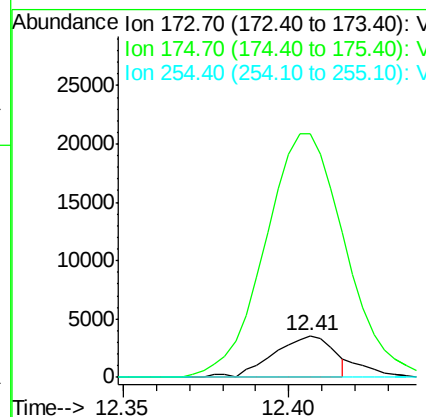
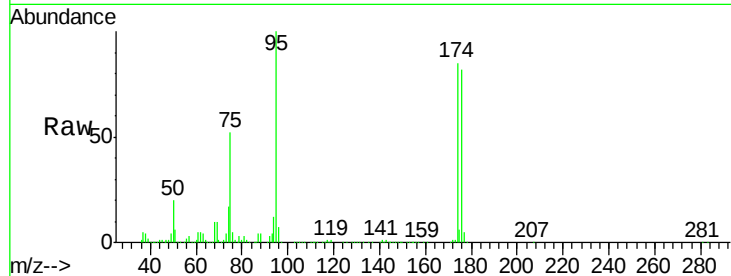




#71
Bromoform
Concen: 0.59 ug/l
RT: 12.41 min Scan# 3364
Delta R.T. 0.28 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

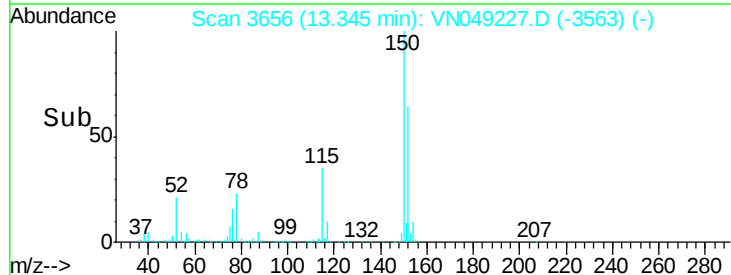
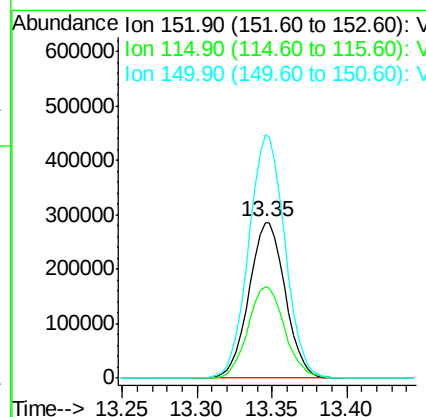
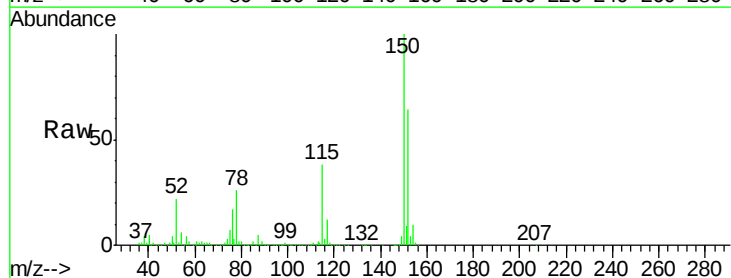
Instrument :
MSVOA_N
ClientSampled :

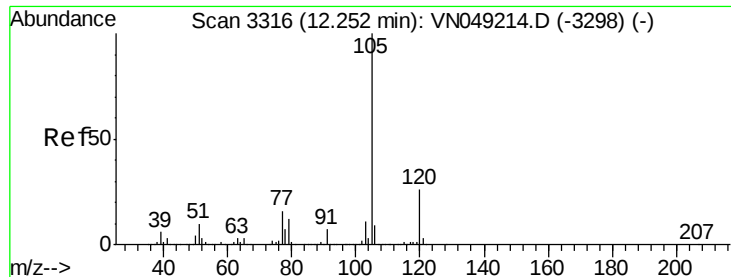
Tot Ion:173 Resp: 4501
Ion Ratio Lower Upper
173 100
175 676.7 24.5 73.5#
254 0.0 0.1 0.1#



#72
1,4-Dichlorobenzene-d4
Concen: 50.00 ug/l
RT: 13.35 min Scan# 3656
Delta R.T. 0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion:152 Resp: 481453
Ion Ratio Lower Upper
152 100
115 59.5 28.7 86.1
150 156.5 0.0 351.0





#73

Isopropylbenzene

Concen: 4.09 ug/l

RT: 12.25 min Scan# 3316

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

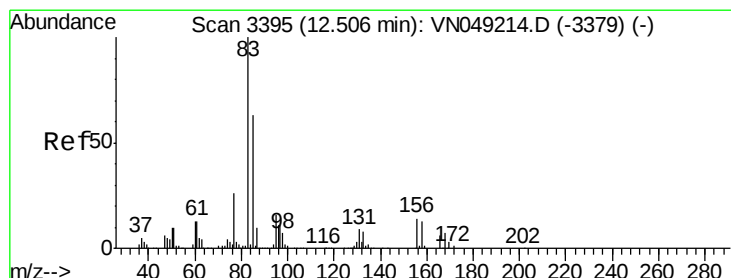
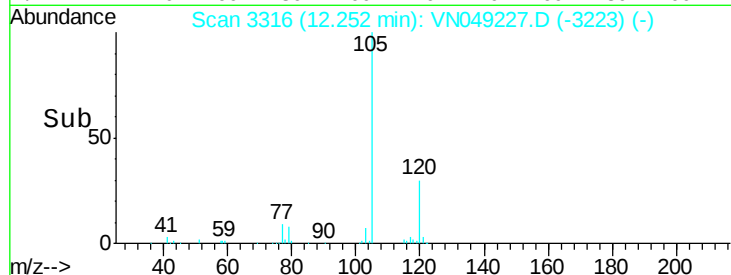
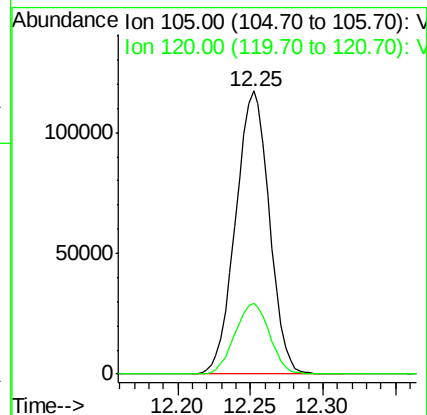
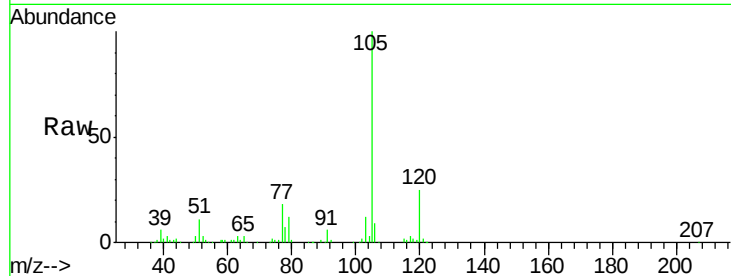
ClientSampled :

Tot Ion:105 Resp: 188990

Ion Ratio Lower Upper

105 100

120 25.6 12.8 38.3



#75

1,1,2,2-Tetrachloroethane

Concen: Below Cal

RT: 12.51 min Scan# 3395

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

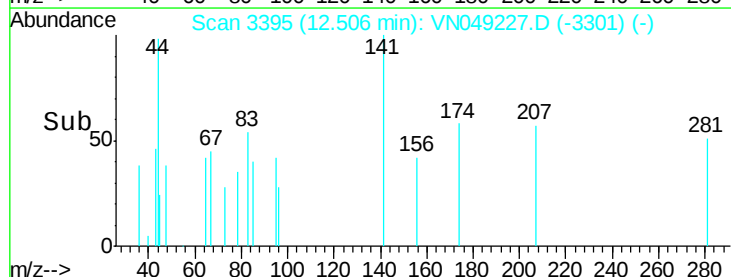
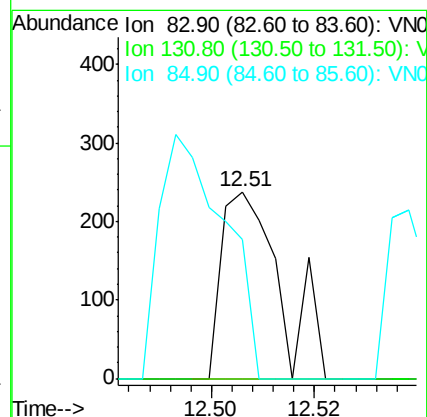
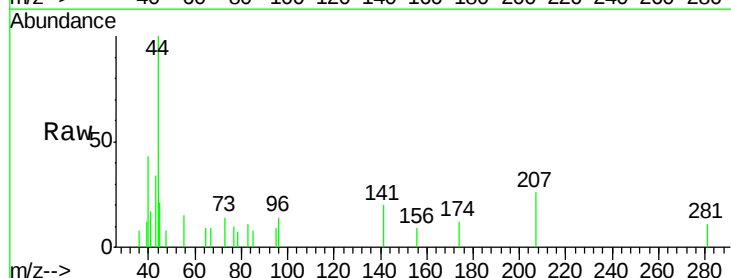
Tgt Ion: 83 Resp: 186

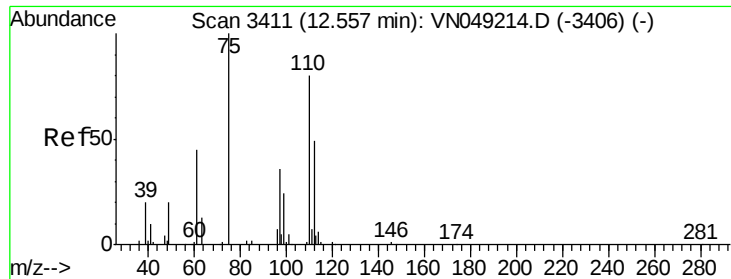
Ion Ratio Lower Upper

83 100

131 0.0 5.0 15.0#

85 145.7 32.0 96.0#





#76

1,2,3-Trichloropropane

Concen: 36.06 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. -0.15 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

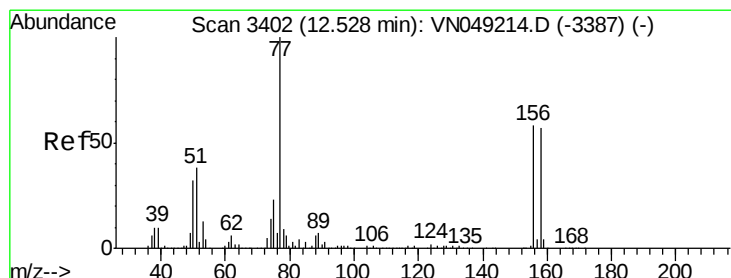
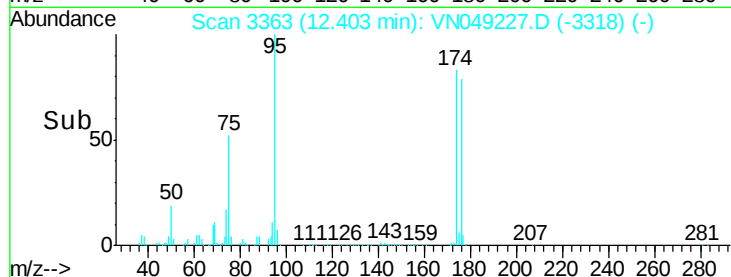
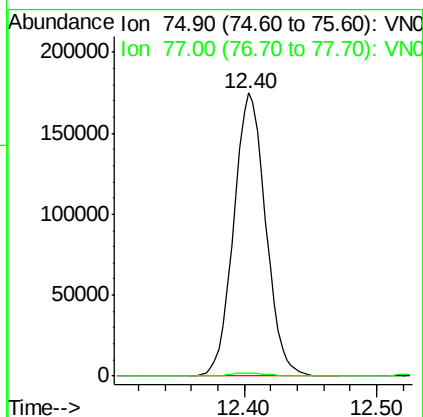
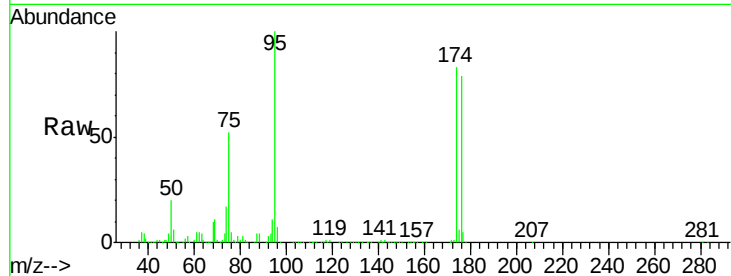
ClientSampled :

Tot Ion: 75 Resp: 292603

Ion Ratio Lower Upper

75 100

77 1.4 0.0 0.0#



#77

Bromobenzene

Concen: Below Cal

RT: 12.52 min Scan# 3399

Delta R.T. -0.01 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

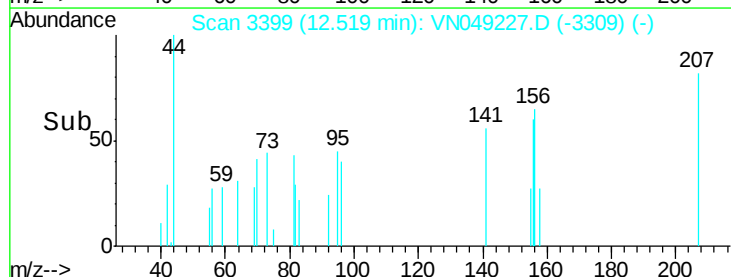
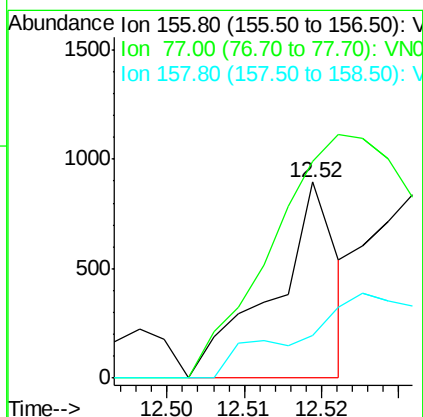
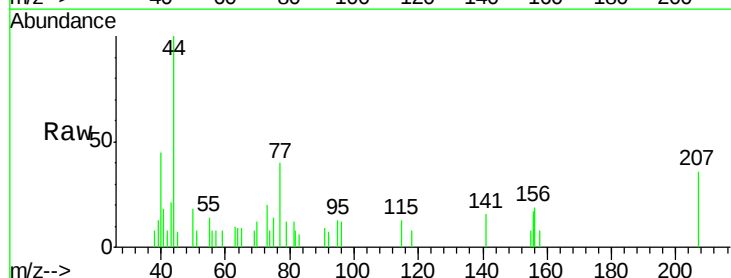
Tgt Ion: 156 Resp: 511

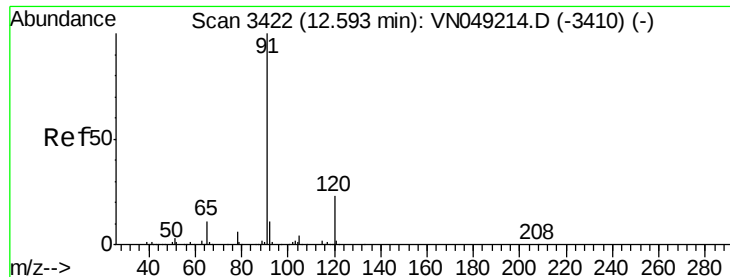
Ion Ratio Lower Upper

156 100

77 319.8 100.8 302.4#

158 107.4 49.3 147.9





#78

n-propylbenzene

Concen: 6.79 ug/l

RT: 12.59 min Scan# 3422

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

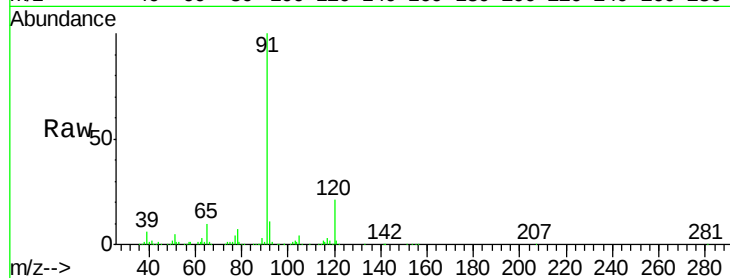
ClientSampleId :

Tot Ion: 91 Resp: 348974

Ion Ratio Lower Upper

91 100

120 21.6 11.2 33.5



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 120.00 (119.70 to 120.70): V

250000

200000

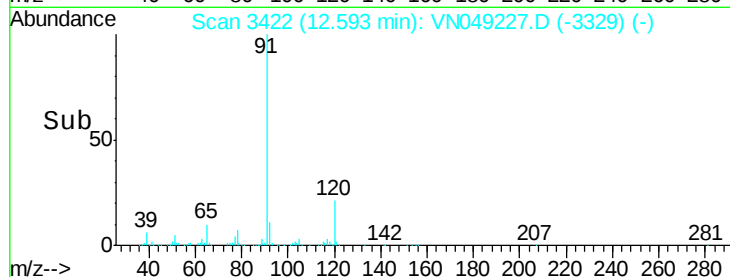
150000

100000

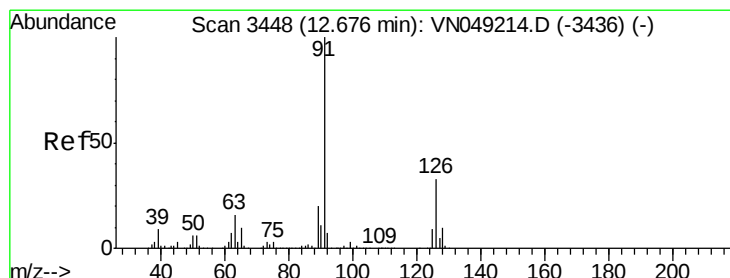
50000

0

Time-->



Time-->



#79

2-Chlorotoluene

Concen: 1.15 ug/l

RT: 12.66 min Scan# 3442

Delta R.T. -0.02 min

Lab File: VN049227.D

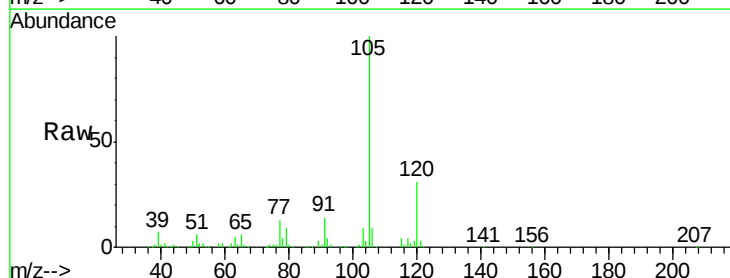
Acq: 14 Jun 2018 14:59

Tgt Ion: 91 Resp: 37216

Ion Ratio Lower Upper

91 100

126 1.8 16.6 49.8#



Abundance Ion 91.00 (90.70 to 91.70): VN0

Ion 125.90 (125.60 to 126.60): V

80000

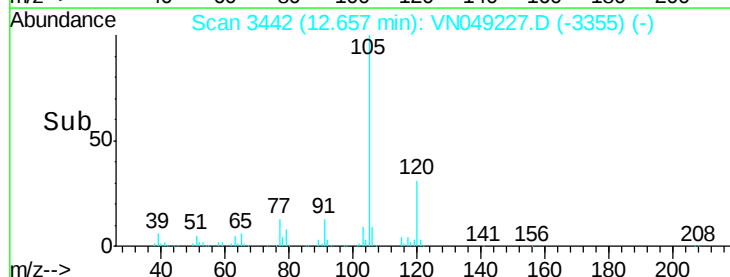
60000

40000

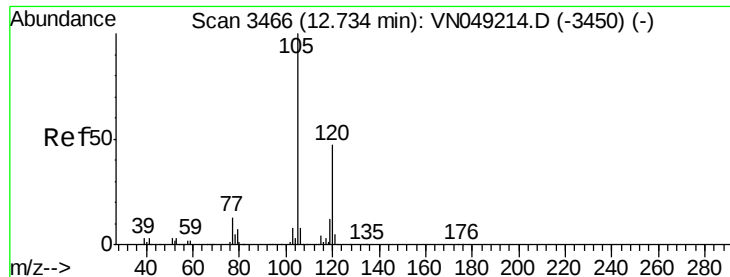
20000

0

Time-->



Time-->



#80

1,3,5-Trimethylbenzene

Concen: 8.83 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

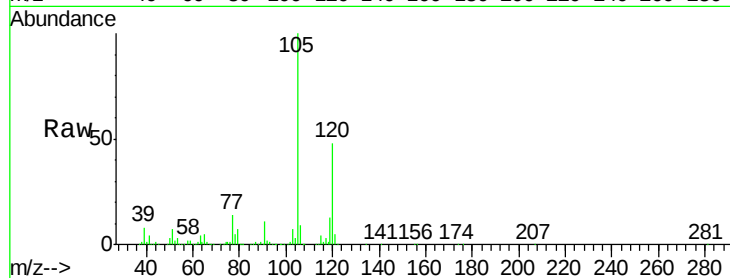
ClientSampleId :

Tot Ion:105 Resp: 313093

Ion Ratio Lower Upper

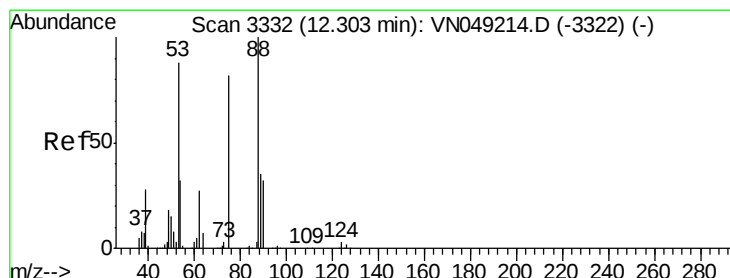
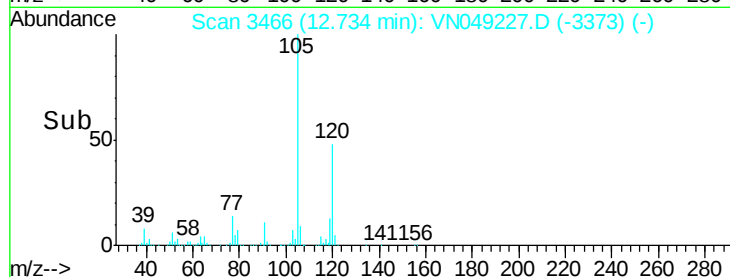
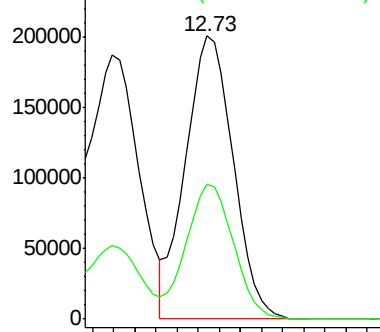
105 100

120 47.4 23.5 70.5



Abundance Ion 105.00 (104.70 to 105.70): V

Ion 120.00 (119.70 to 120.70): V



#81

trans-1,4-Dichloro-2-butene

Concen: 101.54 ug/l

RT: 12.40 min Scan# 3363

Delta R.T. 0.10 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

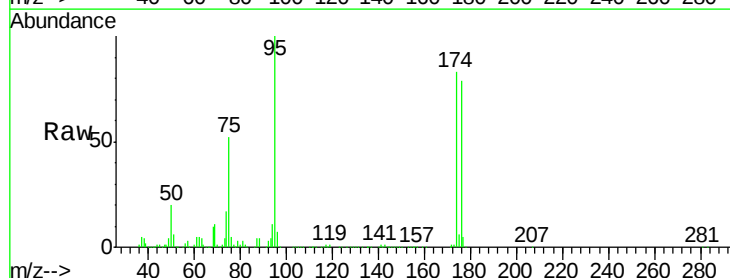
Tgt Ion: 75 Resp: 292603

Ion Ratio Lower Upper

75 100

53 0.1 82.7 124.1#

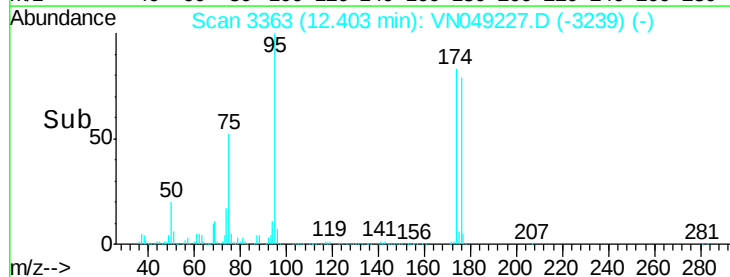
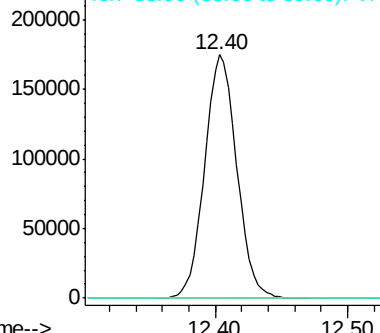
89 0.0 36.5 54.7#

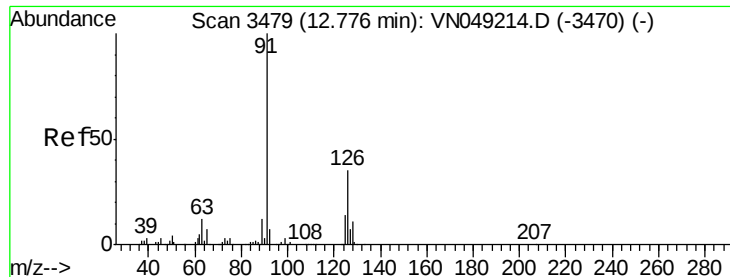


Abundance Ion 74.90 (74.60 to 75.60): VNO

Ion 53.00 (52.70 to 53.70): VNO

Ion 88.90 (88.60 to 89.60): VNO





#82

4-Chlorotoluene

Concen: 1.02 ug/l

RT: 12.73 min Scan# 3466

Delta R.T. -0.04 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

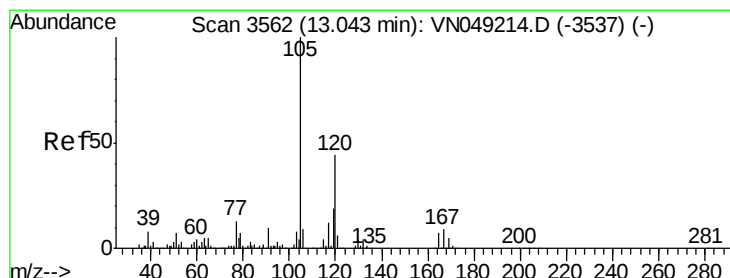
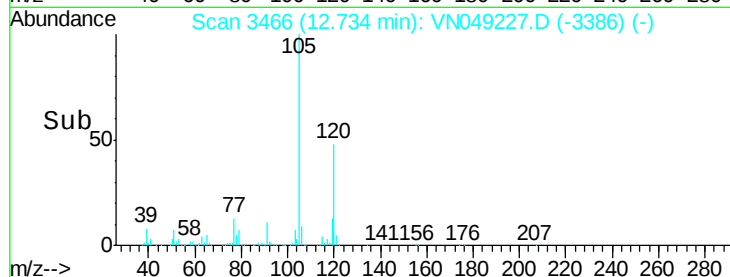
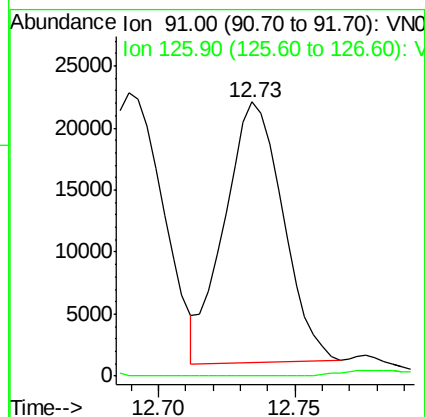
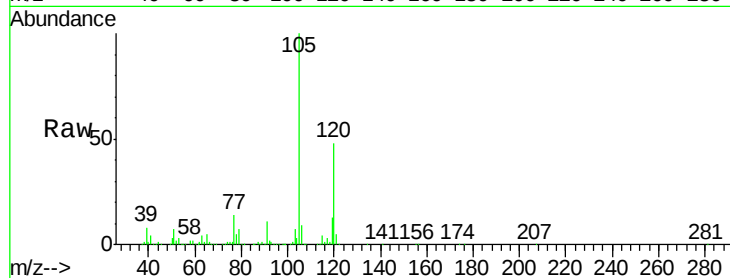
ClientSampled :

Tot Ion: 91 Resp: 31303

Ion Ratio Lower Upper

91 100

126 0.0 16.4 49.1#



#84

1,2,4-Trimethylbenzene

Concen: 11.53 ug/l

RT: 13.04 min Scan# 3562

Delta R.T. 0.00 min

Lab File: VN049227.D

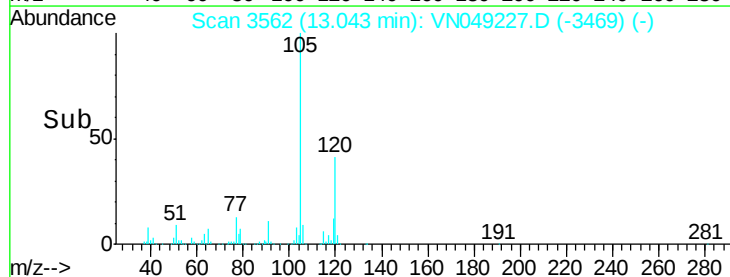
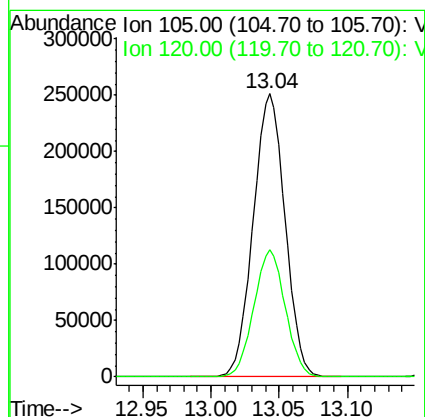
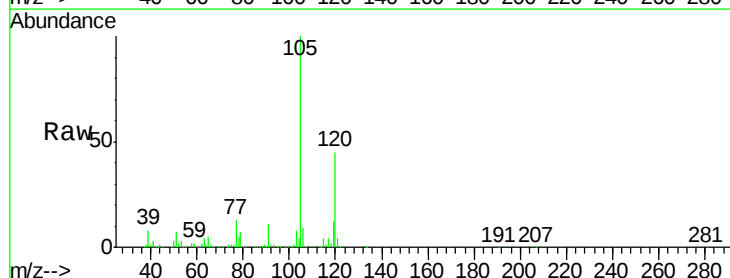
Acq: 14 Jun 2018 14:59

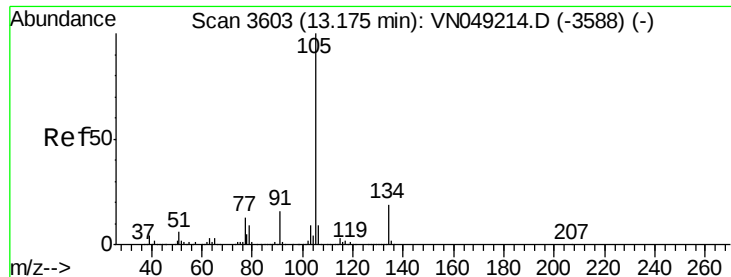
Tgt Ion: 105 Resp: 406206

Ion Ratio Lower Upper

105 100

120 44.4 22.2 66.6





#85

sec-Butylbenzene

Concen: 0.72 ug/l

RT: 13.17 min Scan# 3603

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

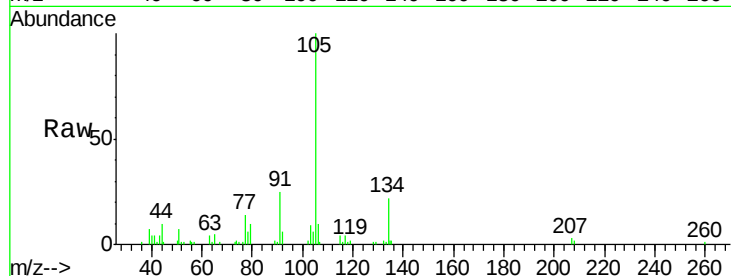
ClientSampled :

Tot Ion:105 Resp: 29296

Ion Ratio Lower Upper

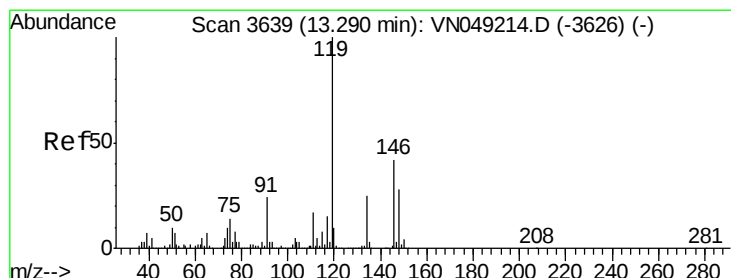
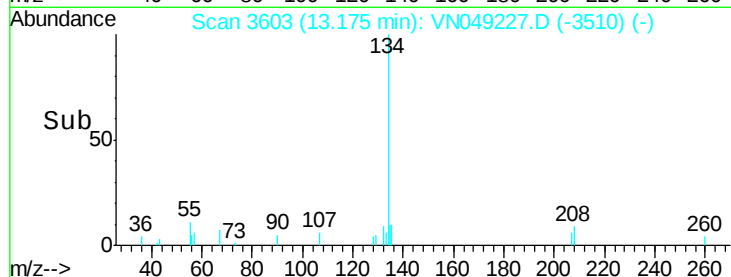
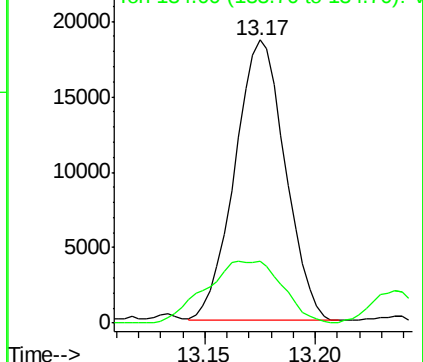
105 100

134 33.7 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: 0.33 ug/l

RT: 13.29 min Scan# 3640

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

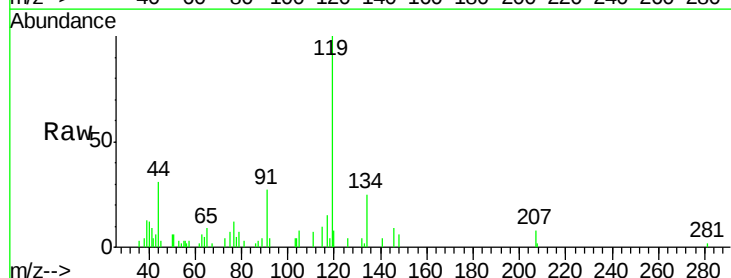
Tgt Ion:119 Resp: 11039

Ion Ratio Lower Upper

119 100

134 27.6 12.9 38.6

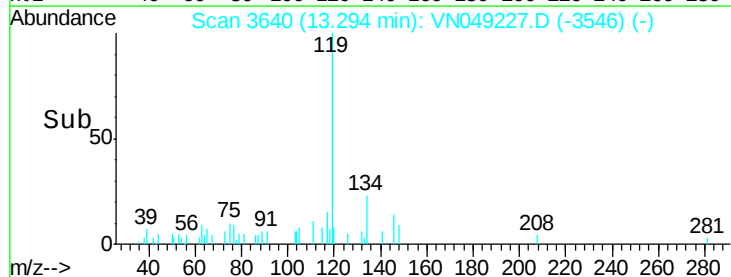
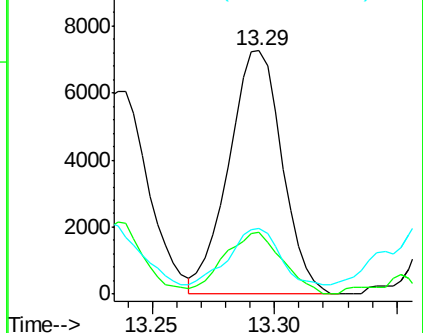
91 0.0 12.1 36.3#

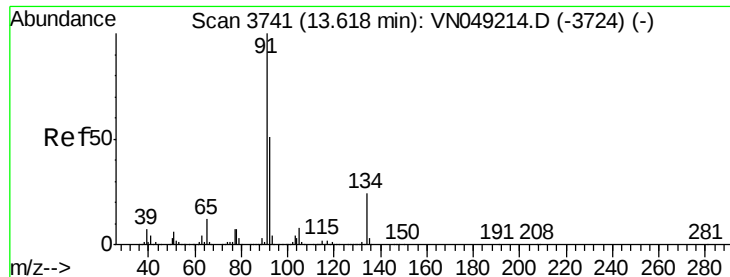


Abundance Ion 119.00 (118.70 to 119.70): V

Ion 134.00 (133.70 to 134.70): V

Ion 91.00 (90.70 to 91.70): V

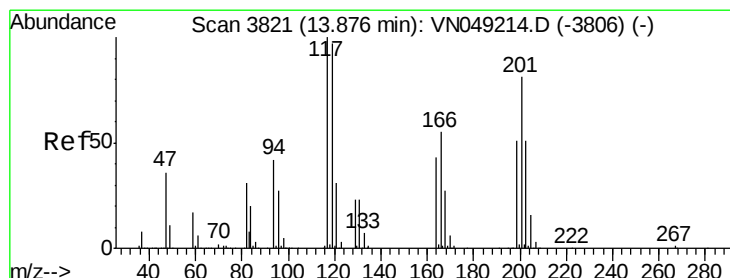
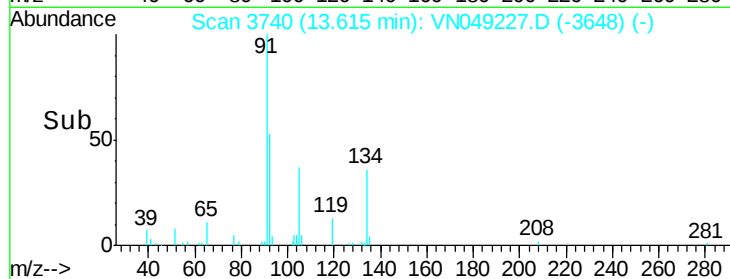
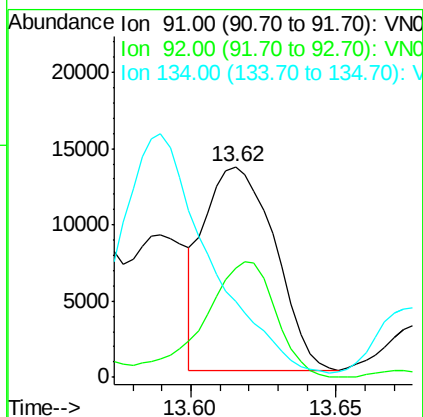
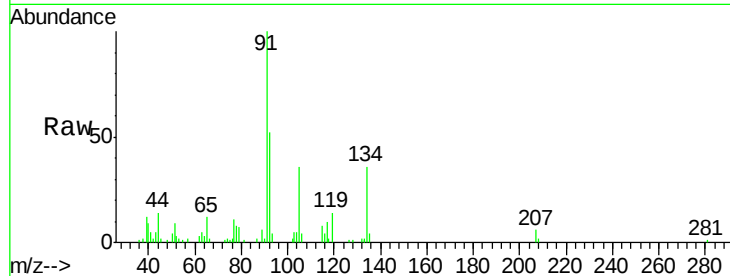




#89
n-Butylbenzene
Concen: 2.31 ug/l
RT: 13.62 min Scan# 3740
Delta R.T. -0.00 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

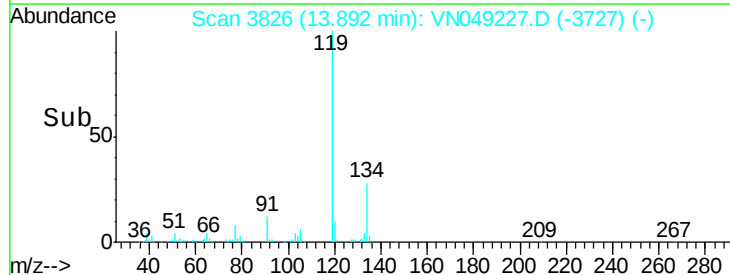
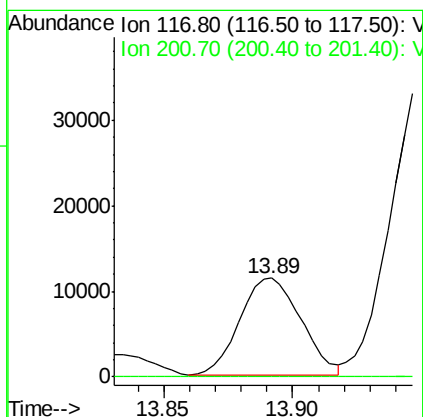
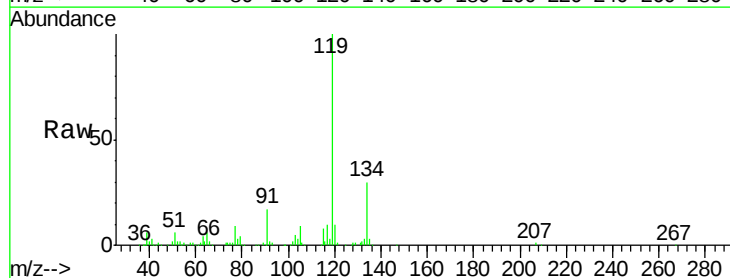
Instrument :
MSVOA_N
ClientSampleId :

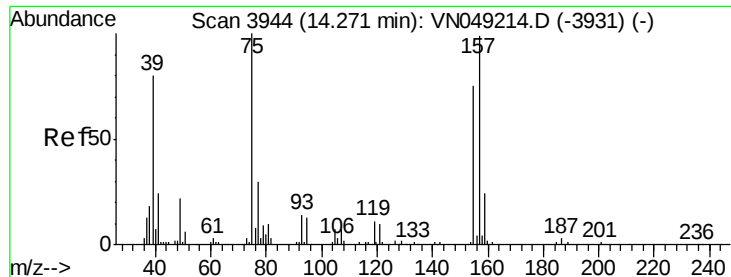
Tot Ion: 91 Resp: 22482
Ion Ratio Lower Upper
91 100
92 58.3 25.1 75.4
134 0.0 12.0 36.0#



#90
Hexachloroethane
Concen: 1.09 ug/l
RT: 13.89 min Scan# 3826
Delta R.T. 0.02 min
Lab File: VN049227.D
Acq: 14 Jun 2018 14:59

Tgt Ion: 117 Resp: 18562
Ion Ratio Lower Upper
117 100
201 0.0 40.1 120.2#





#92

1,2-Dibromo-3-Chloropropane

Concen: 0.37 ug/l

RT: 14.25 min Scan# 3936

Delta R.T. -0.03 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

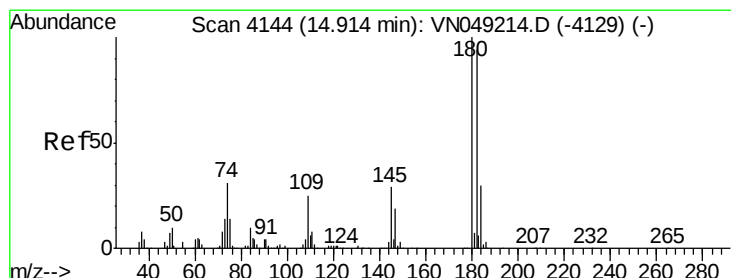
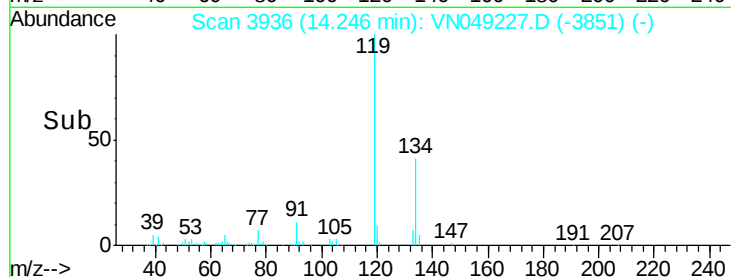
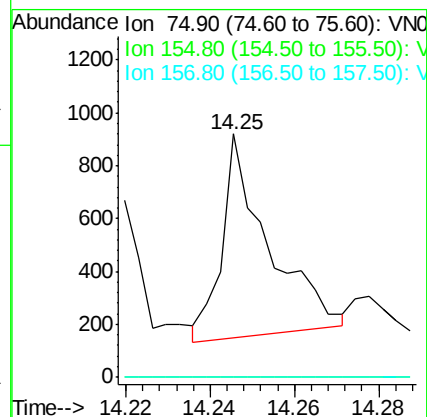
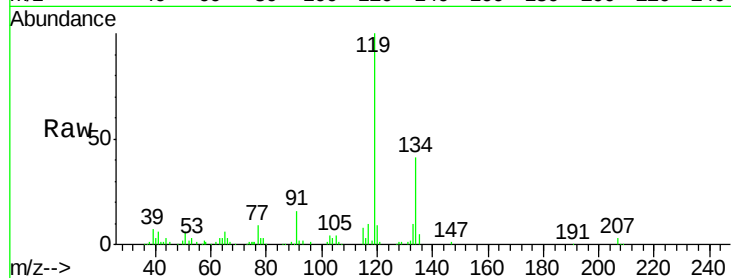
Tot Ion: 75 Resp: 588

Ion Ratio Lower Upper

75 100

155 0.0 38.8 116.3#

157 0.0 51.0 153.1#



#93

1,2,4-Trichlorobenzene

Concen: 4.54 ug/l

RT: 14.91 min Scan# 4142

Delta R.T. -0.01 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

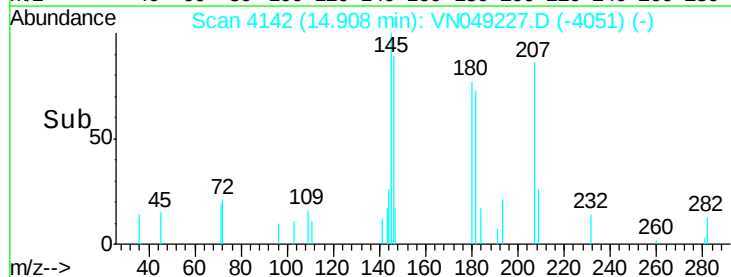
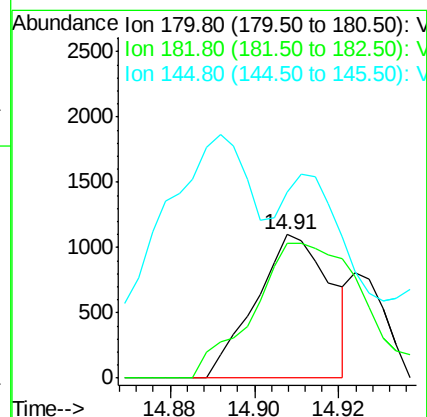
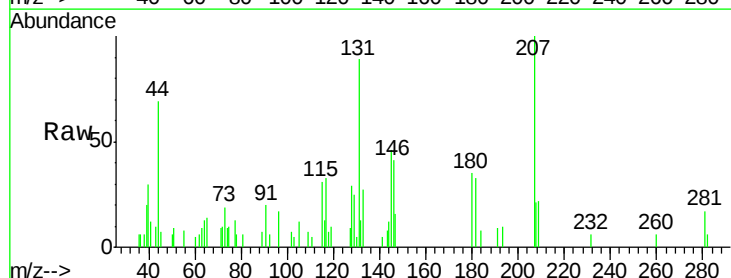
Tgt Ion: 180 Resp: 1346

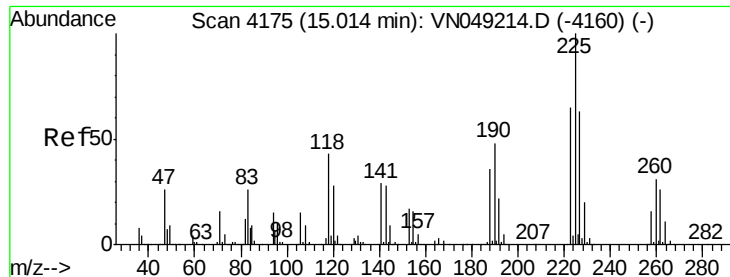
Ion Ratio Lower Upper

180 100

182 137.1 46.9 140.8

145 82.6 14.7 44.1#





#94

Hexachlorobutadiene

Concen: 0.38 ug/l

RT: 15.02 min Scan# 4176

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

Instrument :

MSVOA_N

ClientSampleId :

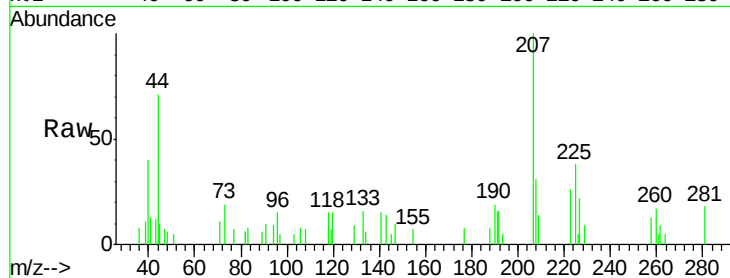
Tot Ion:225 Resp: 2061

Ion Ratio Lower Upper

225 100

223 52.5 32.1 96.3

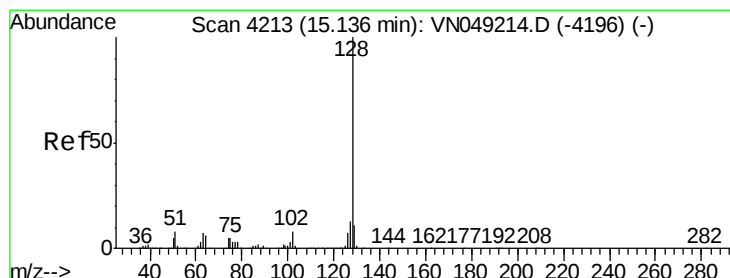
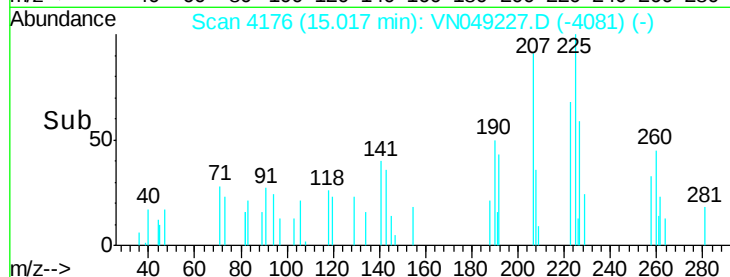
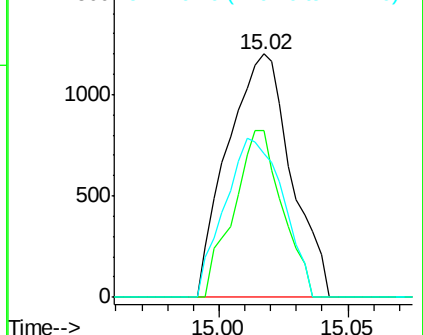
227 60.3 31.8 95.3



Abundance Ion 224.70 (224.40 to 225.40): V

Ion 222.70 (222.40 to 223.40): V

Ion 226.70 (226.40 to 227.40): V



#95

Naphthalene

Concen: 18.54 ug/l

RT: 15.14 min Scan# 4213

Delta R.T. 0.00 min

Lab File: VN049227.D

Acq: 14 Jun 2018 14:59

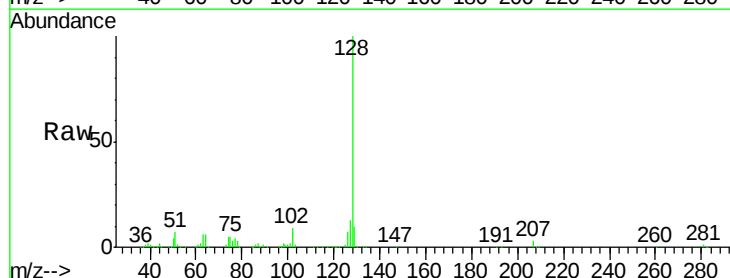
Tgt Ion:128 Resp: 246179

Ion Ratio Lower Upper

128 100

127 12.9 10.6 16.0

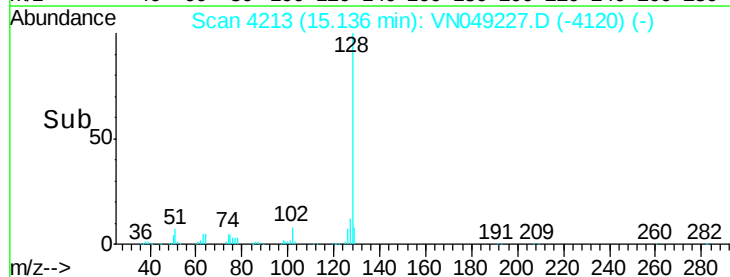
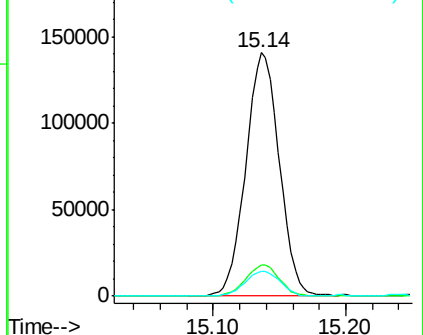
129 10.5 8.5 12.7

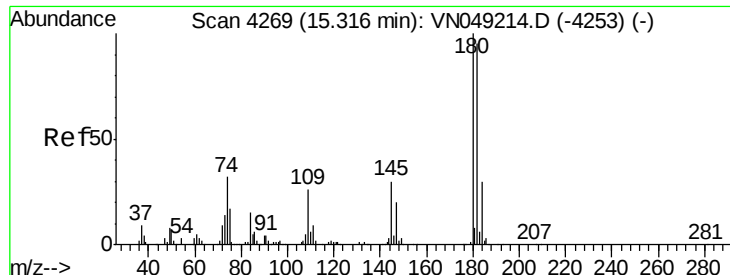


Abundance Ion 128.00 (127.70 to 128.70): V

Ion 127.00 (126.70 to 127.70): V

Ion 129.00 (128.70 to 129.70): V





#96
 1,2,3-Trichlorobenzene
 Concen: 0.24 ug/l
 RT: 15.32 min Scan# 4269
 Delta R.T. 0.00 min
 Lab File: VN049227.D
 Acq: 14 Jun 2018 14:59

Instrument :
 MSVOA_N
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
180	100		
182	89.7	47.3	141.8
145	81.1	15.6	46.7

